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# Chemical Abstract Registry Numbers and Online Database Searching for Polymer Literature

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The advent of computerized database searching for polymer literature has made locating technical information both easier and harder. While computers greatly increase the speed and completeness of a search, the algorithms and conventions used are often quite different from those used for hardcopy (paper) indexes. The following discussion and tables give basic information needed to start identifying and searching the most common polymers in the most used databases and paper indexes.

## A. NOMENCLATURE

The *Common Name* is the name used by many scientists and engineers, and is used for listing polymers in catalogs such as Aldrich, and engineering indexes such as Engineering Index. Various other common *Synonyms* or *Trade Names* are also listed in the table and used in the literature. The *Chemical Abstracts (CA) Index Name* is the most recent name used by Chemical Abstracts Service (CAS). In general, Chemical Abstracts follows IUPAC

guidelines when naming polymers. The *CAS Registry Number* (CAS Reg. No.) is a unique identifying number given to each of the 18 million chemical compounds CAS has indexed. The *Molecular Formula* is the formula for the smallest repeating unit of the polymer. In some cases, such as cellulose, the exact molecular formula is not known.

## B. CAS REGISTRY NUMBERS

CAS Registry Numbers provide a consistent method of identifying and searching for polymers in literature databases, and have been used to develop the table in this section. CAS indexes the chemical and chemical engineering literature from about 80000 worldwide journals, conference papers, books, and patent literature.

The way that CAS (or IUPAC) names a compound is often very different from that used in scientific journals or the popular press. Polyethylene provides an excellent example of this problem. The name in CA is currently Ethene, homopolymer. CAS used to index it under Ethylene, polymers. Over 2000 synonyms or trade names are listed for polyethylene compounds, ranging from Alathon (registered trademark of the Lyondell Petrochemical Company) to Suzulon (a tradename used by Aicello Chemical Corporation, but not trademarked). As CAS understates in its publication, "Polymer Searching", "Unfortunately, naming conventions for polymers have not achieved widespread understanding, and molecular formulas are not unique search terms." CAS Registry Numbers are used not only by CAS in their database indexing but by the US Federal Government in their Toxic Substances Inventory, by the US Department of Transportation for regulating transport of chemicals, and by other indexes such as Merck and Aldrich. They are the most precise and unique compound identification.

Authors of polymer literature may not always be able to report the precise structure of their materials. However, they usually do report the monomers used in the polymerization. Thus, while polymers are represented in two ways, as monomers and by final structure (Structural Repeating Unit or SRU), the primary registration of a polymer is by its component monomers. The Registry Number for most

polymers in the table can be used to find the component Registry Numbers for their corresponding monomers. Similarly, the Registry Number for copolymers will lead to the monomer registry numbers. Searching just by the SRU, the homopolymer, or the copolymer number will not retrieve a complete citation list.

### C. INDEXING AND CAS REGISTRY NUMBER ASSIGNMENT

Chemical Abstracts assigns Registry Numbers to polymers based on both their monomers and their final structure. The table here usually lists the Registry Number for the homopolymer or copolymer. However, searches that use only one Registry Number for a polymer are often incomplete. Polymers based on more than one monomer should be searched using all the component monomers. All the copolymer references of a specific monomer can be found by searching the monomer's Registry Number. The polymers having the same final structure can be found by searching the final structure's Registry Number.

Some compounds are so well characterized that they do not follow the rules and are indexed only under their structural repeating unit (SRU). These are marked (R) in the table and include common polymers such as Nylon 6 or PET. Some polymers are not indexed by registry numbers at all but only by subject. These include tung oil, cellulose, and linseed oil, which are marked (S) in the table. These materials are exceptions and, in most searching, registry numbers must be used in the CAS online files. Some registry numbers in the Registry File are marked with an asterisk (\*). STN gives the message on-line that these "represent substances of unknown or variable composition, complex reaction products, or biological substances that do not meet the criteria for Chemical Abstracts indexing". These substances generally have been registered for regulatory agencies and receive a CA Index Name. Searching these substances in STN files can be done by using the Registry Number(s) from the record, terms derived from the name, terms that are more or less specific than those in the name (which may include other CAS Registry Numbers), or associated trade names. Every likely term should be tried, and additional help should be sought if other references seem likely.

Section E gives the common names and CA Registry Numbers for a number of important polymers. A list of Registry Numbers in numerical order with their corresponding names is available from the authors. Additional synonyms and trade names are provided, as are the CA Index names. Molecular formulae are provided, and can be helpful in searching with structural-related databases. The Search Guide indices have the following meanings:

- S search by CA Index names as a subject in the citation file
- \* search using every likely term – Registry Numbers, name, synonyms, etc.
- R search by Registry Numbers for components, copolymers, SRU's
- U search using the single Registry Number provided.

The CAS database system is available commercially, most commonly through STN (1-800-848-6538) and Dialog (1-800-334-2564). Most academic and industrial libraries have ready access to these systems and may be consulted for assistance. For illustrative purposes, searches from each system are demonstrated here. The logic of searching each system is the same, but commands and features can vary. For more information about online searching, consult a librarian or the database vendors. The Chemical Abstracts Service book, "Searching for Polymer Information in CAS Online", American Chemical Society, Chemical Abstracts Service, 1990, p. 173, is the best starting source for polymer information within Chemical Abstracts. It may be ordered by calling the STN toll-free number or using the web page.

### D. EXAMPLE SEARCHES

#### 1. Example of a Search Using the Polymer CAS Registry Number

The first step in a CA search is to identify the registry numbers. Section E lists registry numbers for many common polymers. The Registry Number for poly-(acrylamide) is 9003-05-8. Leading zeros should be disregarded when searching online, for example, search 009003-05-8 as 9003-05-8. Using the CA Registry Number to search the chemical compound registry file would return the following information (Fig. 1) from the Dialog database. The Dialog File number at the beginning of each output refers to a specific work session for the user. This particular database provides the molecular formula, related CAS Registry Numbers, the CA name, a list of synonyms including tradenames, the CA Registry Number for the monomer, and the number of literature references over the specified time interval.

#### 2. Example of a Search Using the Monomer CAS Registry Number

The CAS Registry Number for the monomer from the previous example, acrylamide, is 79-06-1. Searching by the component Registry Number in the Registry File gives the following record (Fig. 2).

#### 3. Example of a Combined Search

The results of both searches (polymer and monomer CAS Registry Numbers) would be combined to generate a more complete listing of the literature. The following answers (Fig. 3) are found by searching the abstracts file for CA (399 on Dialog) with the monomer and polymer Registry Numbers.

Searching by the homopolymer Registry Number (RN), 9003-05-8, produced most citations. However, over 6000 additional articles containing information about the monomer would have been missed if the monomer Registry Number, 79-06-1, had not been used. Some of these may contain needed information about the polymer. Only 539 articles were indexed using both Registry Numbers.

```

(Dialog File 398)
CAS REGISTRY NUMBER: 9003-05-8 (POLYMER)
MOLECULAR FORMULA: (C3H5NO)x
REPLACED CAS REGISTRY NUMBER(S): 9082-06-8 12624-24-7 25038-45-3
27754-57-0 33338-03-3 39355-07-2 39387-77-4 51312-40-4 57679-11-5
68247-81-4 72270-86-1 79079-15-5 104981-89-7 114265-35-9 143180-09-0
143180-13-6 143180-22-7
CA NAME(S):
  HP = 2-Propenamide (9CI)
  NM = homopolymer
  HP = Acrylamide (8CI)
  NM = polymers
SYNONYMS: Acrylamide homopolymer; Acrylamide polymer; Alcoflood 1175;
Alcoflood 935; American Cyanamid KPAM; American Cyanamid P 250; AMF;
Aminogen PA; AP 273; Aron F 40; BanDrift; Boze Flocc N 46BT; Calgon 470;
Calgon 800; Cogum 20P; Cogum 25H; Cyanamer N 300LMW; Cyanamer P 250;
Cyanamer P 35; Cytame 5; Diaclear MA 3000H; Diaclear MN 3000H; DK Dry
Capsule ESP; Dow ET 597; Dow J 100; Dow 164; DP 1916; DP 9-6193; Drew
Flocc 41; E 936; ET 597; Flygtol GB; Formula 358; Gelamide 250; Get-Down
; GPA-u; Himoloc OK 507; Himoloc SS 200; Hiset P 700; Hyset P 700SN;
Instar NS; J 100; J 100(polymer); K 4; K 4(acrylic polymer); K-PAM; KAL
13; KW 677; Magnifloc 900N; Maquat 100; Migunon NS; Mirbane 301; Nalco
Lp 3033; Nalco 7871; Nalco 8871; NL; P 250; P 250(polymer); P 300; P
300(polyacrylamide); PAA 1; PAA 70L; PAM; PAM 50; PAM(homopolymer);
Pamid; PC 305; Percol 333; Plex 4847D; Polias 320; Polyacron KR 143;
Polyacrylamide; Polyacrylamide resin; Polyhall 2J; Polyhall 5J;
Polymerset C 305; Polysic; Polystron 117; Polystron 145; Polystron 191;
Polystron 194-7; Pomosist 117; Praestol 2800; Praestol 2810/73;
Praestol 6000; Sanpoly A 520; Santac SP 66; Santac SP 67; Seabetter AD;
Sedipur TF; Sedipur TF 514; Sepaflux CE 5174; Solidokoll K; Solvitose
433; Stargum AD-S; Stokopol D 2624; Sumifloc FN 10H; Sumirez A 17;
Sumirez A 27; Sursolan P 5; Texapret AM; Tulsepar PNS 1; TY 007;
Versicol W 11; Versicol W 17; Versicol W 25; Versicol WN 15; Viterra II
; X-Coat P 130C; X-Coat P 180S; Zonen A; 2J; 3330s; 38F
COMPONENT CAS REGISTRY NUMBER(S):
(79-06-1)

Component RN   Component Molecular Formula
-----
1) 79-06-1 C3H5NO

SUBFILE: CHEMNAME 13873 LITERATURE REFERENCE(S) IN FILE 399.
LAST UPDATE: 199611

```

Figure 1. Dialog database output from searching CAS Registry No. 9003-05-8.

```

CAS REGISTRY NUMBER: 79-06-1
MOLECULAR FORMULA: C3H5NO
CA NAME(S):
  HP = 2-Propenamide (9CI)
  HP = Acrylamide (8CI)
SYNONYMS: Acrylic amide; Ethylenecarboxamide; Propenamide; Vinyl amide
SUBFILE: CHEMNAME 6574 LITERATURE REFERENCE(S) IN FILE 399.
LAST UPDATE: 199608

```

Figure 2. Dialog database output from searching CAS Registry No. 79-06-1.

```

Set Items Description
.....
?s rn = 9003-05-8
  S1 14051 RN = 9003-05-8
?s rn = 79-06-1
  S2 6622 RN = 79.06-1
?s s1 or s2
  14051 S1
  6622 S2
  S3 20134 S1 OR S2
?s s1 and s2
  14051 S1
  6622 S2
  S4 539 S1 AND S2

```

**Figure 3.** Dialog database output from combining the polymer and monomer searches.

#### 4. Example of a Copolymer Search

Poly(acrylonitrile-*co*-butadiene) is a common commercial product. The STN database was searched for this copolymer, using its CAS Registry Number along with those of the monomers. The search method is similar to that for homopolymers; the copolymer and the two monomers are searched separately, and the results are combined. Some records have been edited for clarity and conciseness. In Fig. 4, component 1 is acrylonitrile and component 2 is butadiene.

```

(STN Registry File)

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1997 ACS
RN ***9003-18-3*** REGISTRY
CN 2-Propenenitrile, polymer with 1,3-butadiene (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,3-Butadiene, polymer with 2-propenenitrile (9CI)
CN 1,3-Butadiene, polymer with acrylonitrile (8CI)
CN Acrylonitrile, polymer with 1,3-butadiene (8CI)
OTHER NAMES:
CN 1,3-Butadiene-acrylonitrile copolymer
CN 1,3-Butadiene-acrylonitrile polymer
CN Acrylonitrile-1,3-butadiene copolymer
(30 other chemical names or synonyms or trade names are listed)
MF (C4 H6 . C3 H3 N)x

CM 1 (Component One)

CRN 107-13-1 (Component Registry Number)
CMF C3 H3 N (Component Molecular Formula)

CM 2 (Component Two)

CRN 106-99-0 (Component Registry Number)
CMF C4 H6 (Component Molecular Formula)

```

**Figure 4.** STN database output from a copolymer search.

Searching by the two component Registry Numbers given above, (107-13-1, acrylonitrile; 106-99-0, butadiene), gives the following records in the Registry File (Fig. 5).

Figure 6 shows the output when all the separate searches (Figs. 4 and 5) are combined. Search strings for each command are shown.

In this case, there are fewer articles for the copolymer (9003-18-3) than for either of the component monomers individually. On the other hand, 550 citations have the two components together, with very little overlap between that set and the copolymer. This once again illustrates the importance of including the monomers to get a complete search in CA files online.

A similar search in the paper version of CA could be done by finding the latest CA name for the homopolymer or copolymer and all related monomers in the Chemical Substance Index, and then referring to the abstracts. The Chemical Substance Index also lists the Registry Numbers for all compounds indexed, and should be checked prior to online work.

Additional search methods include using the trade name, chemical name, and molecular formula in the Registry File to start the search for a polymer Registry Number. The table gives a starting point for common polymers, but with over 700000 polymeric entries, it is impossible to list them all.

```

L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 1997 ACS
RN ***107-13-1*** REGISTRY
CN 2-Propenenitrile (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acrylonitrile (8CI)
OTHER NAMES:
CN Acrylonitrile
CN Carbacryl
CN Cyanoethene
CN Cyanoethylene
CN Fumigrain
CN Propenenitrile
CN VCN
CN Ventox
CN Vinyl cyanide

L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 1997 ACS
RN ***106-99-0*** REGISTRY
CN 1,3-Butadiene (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN .alpha.,.gamma.-Butadiene
CN Biethylene
CN Bivinyll
CN Butadiene
CN Butadiene-1,3
CN Divinyll
CN Erythrene
CN Vinylethylene
MF C4 H6

```

**Figure 5.** STN database output of comonomer searches.

(File CA on STN)

```
=> s 9003-18-3
L3 7648 9003-18-3
=> s 107-13-1
L4 16353 107-13-1
=> s 106-99-0
L5 12917 106-99-0
=> s 14 and 15
L6 550 L4 AND L5
=> s 13 and 16
L7 19 L3 AND L6
```

**Figure 6.** STN database output from a combined search for a copolymer and its monomers.

### 5. Example of an Engineering Database Search

Searching the engineering databases is a less formidable task. In most cases, the searches for polymers are started using the common names of the compound. The indexing of the answer set is then evaluated for other terms to use. The following search is from the Engineering Index (file 8) on Dialog (Fig. 7).

```
Set Items Description
... ..
?s polyoxymethylene (compound entered as one word)
S1 396 POLYOXYMETHYLENE
?s poly(o)xymethylene (compound entered as two words)
39391 POLY
155 OXYMETHYLENE
S2 87 POLY(OXYMETHYLENE
?s s1 or s2
396 S1
87 S2
S3 459 S1 OR S2
?t 1/8/1

1/8/1
DIALOG(R)File 8:(c) 1997 Engineering Info. Inc. All rts. reserv.

04628455
Title: Hybrid effects on mechanical properties of polyoxymethylene
Descriptors: *Polymers; Fracture toughness; Strain rate; Tensile strength;
Bending strength; Impact resistance; Elastic moduli
Identifiers: Polyoxymethylene; Hybrid strength; Impact strength;
Flexural modulus

2/8/2
DIALOG(R)File 8:(c) 1997 Engineering Info. Inc. All rts. reserv.

04572617
Title: Spatially resolved in situ analysis of polymer additives by
two-step laser mass spectrometry
Descriptors: *Additives; Polyvinyl chlorides; Polypropylenes;
Polyethylene terephthalates; Composition effects; Desorption; Stabilizers
(agents); Carbon dioxide lasers; Laser ablation; Antioxidants
Identifiers: Polyoxymethylene; Hydroxyphenylbenzotriazole; Polymer
additives
```

**Figure 7.** Engineering Index output for poly(o)xymethylene).

In this case, poly(o)xymethylene) is indexed as one word so the search term was appropriate to this database. The two-word search (S2 and S3) was taken from the authors' abstracts, which are searched automatically in this database (unlike in CAS files).

### 6. Example of a Search with Punctuation in the Polymer Name

Poly(L-proline) is a more difficult search because most databases do not index punctuation. In this case, the compound is entered as if it were three words. In the first search, each word is specified to be in that specific order (adjacent to each other). This search yielded 26 hits (Fig. 8), but the specific records show that the term was found just in the abstract, not in the indexing. Searching by the broader term "polypeptides" would get a larger, less specific, answer set since any polypeptide could be included. The database also shows that "polypeptides" has been an index term since 1977.

Searching poly(L-proline) as three separate words would pull the terms from anywhere in the database record. This method gives more answers than the first search strategy (Fig. 9) but less than the broad polypeptide search.

### 7. Example of an Engineering Materials Abstracts Search

Similar strategies of searching chemical names and checking indexing should be used for other engineering databases such as Engineering Materials Abstracts. A search of the word, nylon, retrieves a larger answer set than the search of the sequence, nylon 6 (Fig. 10). A check of the indexing determines that nylon 6 is a valid term and would be a more specific, focused search on the topic.

Chemical Abstracts, Engineered Materials, Engineering Index, and other indexes such as Current Contents or the National Technical Information Service are available online through many vendors, on CDROM, at libraries, and over the Internet, via accounts with security and passwords. They are still available in paper copy at many libraries. Before doing any kind of literature search, the researcher must first decide how much information is needed, for what time period, what limits such as language or type of material are to be applied, and how much time is to be devoted to the search. Then each resource can be evaluated for what is covered and how it is indexed so that the proper tools will be used. Finding information is a lot like doing an experiment. Many paths can be explored and different techniques are tried until the researcher is satisfied.

### 8. Example of a Polymer Trademark Search

A trademark is either a word, phrase, symbol or design, or combination of words, phrases, symbols or designs, which identifies and distinguishes the source of the goods or services of one party from those of others. US trademark rights arise from either (a) actual use of the mark, or (b) the filing of a proper application to register a mark in the Patent

?s poly(l)proline  
 39391 POLY  
 71166 L  
 259 PROLINE  
 S7 26 POLY(L)PROLINE  
 ?t 7/5

7/5/1

DIALOG(R)File 8: Ei Compendex(R)

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03979891 E.I. No: EIP94112411957

Title: Optical activity measurements in solids 7. Polylactides and poly (beta -hydroxybutyrates)

Author: Bartus, Jan; Weng, Dexi; Vogl, Otto

Corporate Source: Polytechnic Univ, Brooklyn, NY, USA

Source: Polymer International v 34 n 4 Aug 1994. p 433-442

Publication Year: 1994

CODEN: PLYIEI ISSN: 0959-8103

Language: English

Document Type: JA; (Journal Article) Treatment: X; (Experimental)

Journal Announcement: 9412W4

Abstract: The optical activities of poly-(R)-lactide, poly-(S)-lactide, poly(beta -hydroxybutyrate) and two beta -hydroxyvalerate copolymers were measured in solution, as solid powders in suspension, and where possible, as films. Poly-(plus)-3-methyl-1-pentene was also reinvestigated. In some cases the specific rotation values of powder samples showed significant differences from the values of the solution measurements. The discrepancies of the data observed seem to reflect the local environment of the polymer chains in supermolecular assemblies and consequently the solid state structure (morphology) of the polymers. The circular dichroism (CD) spectra of the polymers were also measured in solution and in the form of their films. For comparison, the CD spectra of the naturally occurring protein casein and of the synthetic polypeptide poly-(L)-proline were also measured. (Author abstract) 21 Refs.

Descriptors: \*Polymers; Optical variables measurement; Powders; Plastic films; Molecular structure; Morphology; Proteins; Casein; Polypeptides; Sodium compounds

Identifiers: Polylactides; Polyhydroxybutyrates; Circular dichroism

?s polypeptides

S1 1783 POLYPEPTIDES (January 1977)

Figure 8. Engineering Index output for an adjacent word search.

?s poly and l and proline  
 39391 POLY  
 71166 L  
 259 PROLINE  
 S8 39 POLY AND L AND PROLINE

Title: Synthesis of crosslinked poly(vinyl alcohol) with L- proline pendant as the chiral stationary phase for resolution of amino acid enantiomers

Abstract: The porous crosslinked poly (vinyl alcohol) beads with the L -proline pendant was synthesized as the chiral stationary phase (CSP) for ligand-exchange chromatography of amino...

...and triallyl isocyanurate as a crosslinker, methanolysis of the copolymer, glycidylation of the formed crosslinked poly (vinyl alcohol), and final functionalization with L-proline. After the polymer with the chiral ligand was complexed with copper(II) cations. it was...

Figure 9. Engineering Index output for a general word search.

?s nylon  
 S7 3241 NYLON  
 ?s nylon()6  
 3241 NYLON  
 18621 6  
 S8 1615 NYLON()6

t 8/8/1

Engineering composites with nylon 6 matrix.

Descriptors: Conference Paper; Nylon 6- Composite materials; Styrene butadiene resins- Composite materials; Thermoplastic elastomers-

Mechanical properties; Tensile strength; Impact strength

Section Headings: D2 Materials Development

Subfile: P Polymers

Figure 10. Engineering Materials Abstracts output.

ALATHON	<p>Stylized Letters  INTL CLASS: 1 (Chemicals)  U.S. CLASS: 6 (Chemicals and Chemical Compositions)  STATUS: Renewed  SERIAL NO.: 71-569,356  REG. NO.: 543,580  REGISTERED: June 12, 1951  PUBLISHED: March 13, 1951  ORIGINAL REGISTRANT: E.I. DU PONT DE NEMOURS AND COMPANY  (Delaware Corporation), 1007 MARKET STREET, WILMINGTON, DE  (Delaware), USA (United States of America)  3RD NEW OWNER ENTERED AFTER REGISTRATION: OCCIDENTAL CHEMICAL  2400, HOUSTON, TX (Texas), 77046, USA (United States of  America)  RENEWAL OWNER: (New Samek Corporation), 5 GREENWAY PLAZA, SUITE  Renewed: June 12, 1971^RENEWAL OWNER: OCCIDENTAL CHEMICAL  CORPORATION (New York Corporation), 5 GREENWAY PLAZA, SUITE  2400, HOUSTON, TX (Texas), 77046, USA (United States of  America)  Renewed: June 12, 1991  ASSIGNEE(S): CHASE MANHATTAN BANK, THE (NATIONAL ASSOCIATION)</p>
AS	<p>AGENT FOR THE BANKS  Assignor(s): CAIN CHEMICAL INC. (Delaware Corporation)  Reel/Frame: 0564/0786  Recorded: June 8, 1987  Brief: SECURITY INTEREST  ASSIGNEE(S): CAIN CHEMICAL INC. (Delaware Corporation), ELEVEN  GREENWAY PLAZA, SUITE 2700, HOUSTON, TX (Texas), USA (United  States of America)  Assignor(s): E. I. DU PONT DE MEMOURS AND COMPANY (Delaware  Corporation), 1007 MARKET ST., WILMINGTON, DE (Delaware).</p>
USA	<p>(United States of America)  Reel/Frame: 0574/0432  Acknowledged: June 9, 1987  Recorded: August 24, 1987  Brief: ASSIGNS THE ENTIRE INTEREST AND GOOD WILL  ASSIGNEE(S): CAIN CHEMICAL INC. (Delaware Corporation)  Assignor(s): CHASE MANHATTAN BANK, THE (NATIONAL</p>
ASSOCIATION).	<p>AS AGENT  Reel/Frame: 0648/0279  Recorded: December 19, 1988  Brief: RELEASE BY SECURED PARTY OF THE SECURITY AGREEMENT  RECORDED ON JUNE 8, 1987, AT REEL 0564, FRAME 786.  ASSIGNEE(S): OXY PETROCHEMICALS INC.  Assignor(s): CAIN CHEMICAL INC. (Delaware Corporation)  Reel/Frame: 0738/0721  Recorded: June 14, 1990  Brief: CHANGE OF NAME EFFECTIVE SEP. 21, 1989  ASSIGNEE(S): OCCIDENTAL CHEMICAL CORPORATION (New York  Corporation), FIVE GREENWAY PLAZA, SUITE 2400, HOUSTON, TX  (Texas), USA (United States of America)  Assignor(s): OXY PETROCHEMICALS INC. (Delaware Corporation),  FIVE GREENWAY PLAZA, SUITE 2500, HOUSTON, TX (Texas), USA  (United States of America)  Reel/Frame: 0738/0728  Recorded: June 14, 1990  Brief: ASSIGNS THE ENTIRE INTEREST AND GOOD WILL  ASSIGNEE(S): LYONDELL PETROCHEMICAL COMPANY (New York  Corporation), 1221 MCKINNEY ST., SUITE 1600, HOUSTON, TX  (Texas), 77010, USA (United States of America)  Assignor(s): OCCIDENTAL CHEMICAL CORPORATION (New York  Corporation)  Reel/Frame: 1434/0830  Recorded: February 13, 1996  Brief: ASSIGNS THE ENTIRE INTEREST AND GOOD WILL</p>

Figure 11. Trademark database search for Alathon.

and Trademark Office (PTO) stating that the applicant has a bonafide intention to use the mark in commerce regulated by the US Congress. Federal registration is not required to establish rights in a mark, nor is it required to begin use of a mark. However, federal registration can secure benefits beyond the rights acquired by merely using a mark. For example, the owner of a federal registration is presumed to be the owner of the mark for the goods and services specified in the registration, and to be entitled to use the mark nationwide. There are two related but distinct types of rights in a mark: the right to register and the right to use. Generally, the first party who either uses a mark in commerce or files an application in the PTO has the ultimate right to register that mark. The PTO's authority is limited to determining the right to register. The right to use a mark can be more complicated to determine.

Information on polymer trademarks can be found by searching in trademark databases on Dialog. The search is complicated because a name may be trademarked in one country, and yet not in another. Trademarks may be sold, or they may be assigned by one business to another.

A search for Alathon, a registered trademark for polyethylene, is given as an example (Fig. 11). Dialog's trademark scan software provides a description of the goods or services the trademark describes, gives the trademark status, the application number, the registration number and type, and the dates of the action. Previous owners or assignees of the trademark can be identified.

Usually, the trademark database of each country of interest must be checked to determine whether the name is registered.

### E. LIST OF CAS REGISTRY NUMBERS OF COMMON POLYMERS

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Alginic acid		9005-32-7	Alginic acid	R	Unk *
Alginic acid, sodium salt		9005-38-3	Alginic acid, sodium salt	R	Unk
Bayberry wax	Myrtle wax	8038-77-5	Fats and Glyceridic oils, bayberry	S*	Unk
Beeswax, refined, yellow		8012-89-3	Beeswax	S*	Unk
Boron nitride		10043-11-5	Boron nitride	R	BN
Candelilla wax, natural		8006-44-8	Beeswax	S*	Unk
Carboxymethyl cellulose	Carboxymethylated cellulose sodium salt; cellulose glycolate	9004-32-4	Cellulose, carboxymethyl ether, sodium salt	R	(C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> ) <sub>x</sub> Na <sub>x</sub> ; Unk
Carboxymethyl cellulose, sodium salt	Ambergum, carboxymethyl-cellulose; sodium carboxyl-methyl cellulose	9004-32-4	Cellulose, carboxymethyl ether, sodium salt	R	(C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> ) <sub>x</sub> Na <sub>x</sub> ; Unk
Carnauba wax, refined, No. 1, yellow		8015-86-9		S*	Unk
Carrageenan, type I (κ-carrageenan)		9000-07-1	Carrageenan	R	Unk
Carrageenan, type II (ι-carrageenan)		9062-07-1	i-Carrageenan	R	Unk
Cellulose		9004-34-6	Cellulose	R	Unk
Cellulose acetate	Acetic acid, cellulose ester	9004-35-7	Cellulose, acetate	R	(C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose acetate butyrate	Acetobutyrate cellulose; cellulose acetobutyrate	9004-36-8	Cellulose, acetate butanoate	R	(C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub> (C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose acetate butyrate, acrylamidomethyl		91313-01-8	Cellulose, acetate butanoate, ((1-oxo-2-propenyl)amino)-methyl ether	R	(C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub> (C <sub>4</sub> H <sub>7</sub> NO <sub>2</sub> ) <sub>x</sub> (C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose acetate hydrogen phthalate	Acetyl phthalyl cellulose; cellulose acetate phthalate	9004-38-0	Cellulose, acetate hydrogen 1,2-benzene dicarboxylate	R	(C <sub>8</sub> H <sub>6</sub> O <sub>4</sub> ) <sub>x</sub> (C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose acetate propionate	Acetylpropionyl cellulose	9004-39-1	Cellulose, acetate propanoate	R	(C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub> (C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose acetate propionate, acrylamidomethyl		97635-64-8	Cellulose, acetate propanoate, ((1-oxo-2-propenyl)amino)-methyl ether	R	(C <sub>4</sub> H <sub>7</sub> NO <sub>2</sub> ) <sub>x</sub> (C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub> (C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose acetate trimellitate		52907-01-4	Cellulose, acetate 1,2,4-benzene-tricarboxylate	R	(C <sub>9</sub> H <sub>6</sub> O <sub>6</sub> ) <sub>x</sub> (C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose diacetate	Diacetyl cellulose	9035-69-2	Cellulose, diacetate	R	(C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>1/2</sub> ; Unk

\* Indicates that the precise molecular formula is unknown.



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Cellulose nitrate	Collodion; soluble gun cotton	9004-70-0	Cellulose, nitrate	R	(HNO <sub>3</sub> ) <sub>x</sub> ; Unk
Cellulose propionate		9004-48-2	Cellulose, propanoate	R	(C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose sulfate	Sodium cellulose sulfate	9005-22-5	Cellulose, hydrogen sulfate, sodium salt	R	(H <sub>2</sub> O <sub>4</sub> S) <sub>x</sub> Na <sub>x</sub> ; Unk
Cellulose triacetate	Poroplastic; triacetylcellulose	9012-09-3	Cellulose, triacetate	R	(C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>1/3</sub> ; Unk
Cellulose tributyrate		39320-16-6	Cellulose, tributanoate	R	(C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>1/3</sub> ; Unk
Cellulose tricarbaniolate		9047-07-8	Cellulose, tris (phenylcarbamate)	R	(C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub> ) <sub>1/3</sub> ; Unk
Cellulose xanthate	Cellulose carbonodithioate; cellulose hydrogen dithio- carbonate	9032-37-5	Cellulose, hydrogen carbonodithioate	R	(CH <sub>2</sub> OS <sub>2</sub> ) <sub>x</sub> ; Unk
Cellulose, cyanoethylated	Cellulose cyanoethyl ether; cellulose ethylcyanide	9004-41-5	Cellulose, 2-cyanoethyl ether	R	(C <sub>3</sub> H <sub>5</sub> NO) <sub>x</sub> ; Unk
Cellulose, microcrystalline, colloidal		51395-75-6	Cellulose, mixt. with cellulose carboxymethyl ether sodium salt	R	(C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> ) <sub>x</sub> Na <sub>x</sub> ; Unk
Chitin, crab shells		1398-61-4	Chitin	S*	Unk
Chitosan		9012-76-4	Chitosan	R	Unk
Chlorinated poly(vinyl chloride)		68648-82-8	Ethene, chloro-, homopolymer, chlorinated	*	Unk
Chlorinated polyethylene		63231-66-3	Rubber, synthetic, chlorinated polyethylene	S	Unk
Coconut oil	Fats and glyceridic oils	8001-31-8	Coconut oil	S*	Unk
Ethyl cellulose	Cellulose ethyl ether; cellulose ethylate; ethocel, ethyl cellulose ether	9004-57-3	Cellulose, ethyl ether	R	(C <sub>2</sub> H <sub>6</sub> O) <sub>x</sub> ; Unk
Graphite, fluorinated, polymer		51311-17-2	Carbon fluoride	R	Unk
Guar gum carboxymethyl 2-hydroxypropyl ether, sodium salt	Sodium carboxymethyl hydroxypropyl guar	68130-15-4	Guar gum, carboxymethyl 2-hydroxypropyl ether, sodium salt	R	Unk
Hydroxybutyl methyl cellulose		9041-56-9	Cellulose, hydroxybutyl methyl ether	R	(C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>x</sub> (CH <sub>4</sub> O) <sub>x</sub> ; Unk
Hydroxyethyl cellulose (2-hydroxyethyl cellulose)	Cellosize; cellulose hydroxyethyl ether; cellulose hydroxyethylate; glycol cellulose	9004-62-0	Cellulose, 2-hydroxyethyl ether	R	(C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Hydroxypropyl cellulose	Cellulose hydroxypropyl ether; hydropropyl cellulose; hydroxypropyl cellulose	9004-64-2	Cellulose, 2-hydroxypropyl ether	R	(C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Hydroxypropyl methyl cellulose	Cellulose hydroxypropyl methyl ether	9004-65-3	Cellulose, 2-hydroxypropyl methyl ether	R	(C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub> (CH <sub>4</sub> O) <sub>x</sub> ; Unk
Hydroxypropyl methyl cellulose phthalate	Cellulose phthalate hydroxypropyl methyl ether	9050-31-1	Cellulose, hydrogen 1,2-benzene-dicarboxylate, 2-hydroxypropyl methyl ether	R	(C <sub>8</sub> H <sub>6</sub> O <sub>4</sub> ) <sub>x</sub> (C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub> (CH <sub>4</sub> O) <sub>x</sub> ; Unk
Lignin, alkali	Indulin A	8068-05-1	Lignin, alkali	R	Unk
Lignin, alkali, 2-hydroxypropyl ether		88402-77-1	Lignin, alkali, 2-hydroxypropyl ether	R	(C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Lignin, alkali, carboxymethyl ether	Kraft lignin carboxymethyl ether	102962-28-7	Lignin, alkali, carboxymethyl ether	R	(C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> ) <sub>x</sub> ; Unk
Lignin, hydrolytic		8072-93-3	Lignin, hydrolytic	R	Unk
Lignin, organosolv	Dioxane lignin	8068-03-9	Lignin, organosolv	R	Unk
Lignin, organosolv, 2-hydroxyethyl ether		90881-34-8	Lignin, organosolv, 2-hydroxyethyl ether	R	(C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub> ; Unk
Lignosulfonic acid, sodium salt		8061-51-6	Lignosulfonic acid, sodium salt	R	Unk
Linseed oil	Fats and glyceridic oils	8001-26-1	Linseed oil	S*	Unk
Maltodextrin		9050-36-6	Maltodextrin	R	Unk
Merrifield's peptide resin, cross-linked	Chloromethylstyrene- <i>p</i> -divinylbenzene-styrene copolymer; A221481; chloromethylstyrene-styrene-divinylbenzene copolymer	55844-94-5	Benzene, (chloromethyl)ethenyl-, polymer with diethenylbenzene and ethenylbenzene	R	(C <sub>10</sub> H <sub>10</sub> · C <sub>9</sub> H <sub>9</sub> Cl · C <sub>8</sub> H <sub>8</sub> ) <sub>x</sub>
Methyl 2-hydroxyethyl cellulose	Hydroxyethyl methyl cellulose	9032-42-2	Cellulose, 2-hydroxyethyl methyl ether	R	(C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub> (CH <sub>4</sub> O) <sub>x</sub> ; Unk
Methyl cellulose	Methyl ether cellulose	9004-67-5	Cellulose, methyl ether	R	(CH <sub>4</sub> O) <sub>x</sub> ; Unk

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Net-Poly(acrylic acid)-inter-net-poly(siloxane)		143106-82-5	2-Propenoic acid, 2-methyl-, 3-(dimethoxymethylsilyl)propyl ester, polymer with butyl 2-propenoate, decamethylcyclopentasiloxane, etc.	R	$(C_{10}H_{30}O_5Si_{1.5} \cdot C_{10}H_{20}O_4Si \cdot C_8H_{24}O_4Si_{1.4} \cdot C_7H_{12}O_2 \cdot C_7H_{16}O_2 \cdot C_6H_{18}O_3Si_{1.3} \cdot C_5H_8O_2)_x$
Nylon 6	Polyamide 6	25038-54-4	Poly(imino(1-oxo-1,6-hexanediyl))	U	$(C_6H_{11}NO)_n$
Nylon 9	Polynonanamide; poly(imino-1-oxononamethylene)	25748-72-5	Nonanoic acid, 9-amino-, homopolymer	R	$(C_9H_{17}NO)_x$
Nylon 11	Poly(imino-1-oxoundecamethylene)	25035-04-5	Poly(imino(1-oxo-1,11-undecanediyl))	R	$(C_{11}H_{21}NO)$
Nylon 12	Polydodecanamide; poly(imino-carbonylundecamethylene); poly(imino-1-oxododecamethylene)	24937-16-4	Poly(imino(1-oxo-1,12-dodecanediyl))	R	$(C_{12}H_{23}NO)_n$
Nylon 46	Adipic acid-1,4-butanediamine copolymer, SRU; poly(tetramethylene adipamide)	50327-22-5	Poly(imino-1,4-butanediylimino(1,6-dioxo-1,6-hexanediyl))	R	$(C_{10}H_{18}N_2O_2)_n$
Nylon 46, monomer-based		50327-77-0	Hexanedioic acid, polymer with 1,4-butanediamine	R	$(C_6H_{10}O_4 \cdot C_4H_{12}N_2)_x$
Nylon 6, 6	Adipic acid-1, 6-hexanediamine copolymer; adipoyl dichloride-hexamethylenediamine polymer, SRU; polyamides, nylon 66; poly(hexamethylene adipamide); poly(iminoadipoyl iminohexamethylene)	32131-17-2	Poly(imino(1,6-dioxo-1,6-hexanediyl)imino-1,6-hexanediyl)	U	$(C_{12}H_{22}N_2O_2)_n$
Nylon 6, 9	Azelaic acid-1,6-hexanediamine salt polymer, SRU	28757-63-3	Poly(imino-1,6-hexanediylimino(1,9-dioxo-1,9-nonanediyl))	R	$(C_{15}H_{28}N_2O_2)_n$
Nylon 6/66	Adipic acid-ε-caprolactam-1,6-hexanediamine copolymer; nylon 6-nylon 66 copolyamide; nylon 6-nylon 66 copolymer; poly(hexamethyleneadipamide)	24993-04-2	Hexanedioic acid, polymer with hexahydro-2H-azepin-2-one and 1,6-hexanediamine	R	$(C_6H_{16}N_2 \cdot C_6H_{11}NO \cdot C_6H_{10}O_4)_x$
Nylon 610	Poly(iminohexamethylene iminosebacoyl); poly(hexamethylenesebacamide)	9008-66-6	Poly(imino-1,6-hexanediylimino-1,10-dioxo-1,10-decanediyl)	R	$(C_{16}H_{30}N_2O_2)_n$
Nylon 612		24936-74-1	Poly(imino-1,6-hexanediylimino(1,12-dioxo-1,12-dodecanediyl))	R	$(C_{18}H_{34}N_2O_2)_n$
Nylon 6/T, poly(hexamethylene terephthalamide)	Hexamethylenediamine-terephthalic acid polymer	24938-03-2	1,4-Benzenedicarboxylic acid, polymer with 1,6-hexanediamine	R	$(C_8H_6O_4 \cdot C_6H_{16}N_2)_x$
Paraffin wax, chunks		8002-74-2	Paraffin waxes and hydrocarbon waxes	S*	Unk
Paraformaldehyde	Paraform	30525-89-4	Paraformaldehyde	R	$(CH_2O)_x$
Phenol-formaldehyde resin	Formaldehyde-phenol polymer	9003-35-4	Phenol, polymer with formaldehyde	R	$(C_6H_6O \cdot CH_2O)_x$
Poly(D-alanine)	Poly-D-alanine	26701-36-0	D-Alanine, homopolymer	R	$(C_3H_7NO_2)_x$
Poly(L-alanine)	Polyalanine	25191-17-7	L-Alanine, homopolymer	R	$(C_3H_7NO_2)_x$
Poly(D,L-alanine)		25281-63-4	D,L-Alanine, homopolymer	R	$(C_3H_7NO_2)_x$
Poly(γ-aminobutyric acid)	Poly(4-aminobutyric acid)	53504-43-1	Butanoic acid, 4-amino-, homopolymer	R	$(C_4H_9NO_2)_x$
Poly(L-aspartic acid), sodium salt	Poly(aspartic acid) sodium salt	34345-47-6	L-Aspartic acid, homopolymer, sodium salt	R	$(C_4H_7NO_4)_x \cdot Na$
Poly(acenaphthylene)	Oligoacenaphthylene	25036-01-5	Acenaphthylene, homopolymer	R	$(C_{12}H_8)_x$
Poly(acrylamide)	Acrylamide polymer	9003-05-8	2-Propenamide, homopolymer	R	$(C_3H_5NO)_x$
Poly(acrylamide-co-acrylic acid)	Acrylamide-acrylate polymer; acrylamide-acrylic acid polymer; poly(acrylic acid-acrylamide)	9003-06-9	2-Propenoic acid, polymer with 2-propenamide	R	$(C_3H_5NO \cdot C_3H_4O_2)_x$
Poly(acrylamide-co-diallyl dimethyl ammonium chloride)	Acrylamide-diallyldimethylammonium chloride polymer	26590-05-6	2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamide	R	$(C_8H_{16}N \cdot C_3H_5NO \cdot Cl)_x$

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(2-acrylamido, 2-methyl, 1-propane sulfonic acid-co-acrylonitrile)		54640-82-3	1-Propanesulfonic acid, 2-methyl-2-((1-oxo-2-propenyl)amino)-, polymer with 2-propenenitrile	R	$(C_7H_{13}NO_4S \cdot C_3H_3N)_x$
Poly(2-acrylamido-2-methyl-1-propane sulfonic acid)		27119-07-9	1-Propanesulfonic acid, 2-methyl-2-((1-oxo-2-propenyl)amino)-, homopolymer	R	$(C_7H_{13}NO_4S)_x$
Poly(2-acrylamido-2-methyl-1-propane sulfone acid-co-styrene)		51121-85-8	1-Propanesulfonic acid, 2-methyl-2-((1-oxo-2-propenyl)amino)-, polymer with ethenylbenzene	R	$(C_8H_8 \cdot C_7H_{13}NO_4S)_x$
Poly(acrylic acid)	Acrylic acid polymer	9003-01-4	2-Propenoic acid, homopolymer	R	$(C_3H_4O_2)_x$
Poly(acrylic acid), ammonium salt	Ammonium polyacrylate; ammonium polyacrylic acid	9003-03-6	2-Propenoic acid, homopolymer, ammonium salt	R	$(C_3H_4O_2)_x \cdot xH_3N$
Poly(acrylic acid), potassium salt, crosslinked	Potassium polyacrylate	25608-12-2	2-Propenoic acid, homopolymer, potassium salt	R	$(C_3H_4O_2)_x \cdot xK$
Poly(acrylic acid), sodium salt	Acrylic acid polymer, sodium salt	9003-04-7	2-Propenoic acid, homopolymer, sodium salt	R	$(C_3H_4O_2)_x \cdot xNa$
Poly(acrylic acid-co-trimethylolpropane), sodium salt	Acrylic acid-sodium acrylate-trimethylolpropane triacrylate copolymer	76774-25-9	2-Propenoic acid, polymer with 2-ethyl-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl di-2-propenoate and sodium 2-propenoate	R	$(C_{15}H_{20}O_6 \cdot C_3H_4O_2 \cdot C_3H_4O_2 \cdot Na)_x$
Poly(acrylic acid, sodium salt-graft-poly(ethylene oxide)), crosslinked	Acrylic acid-vinyl alcohol polymer, sodium salt	27599-56-0	2-Propenoic acid, polymer with ethenol, sodium salt	R	$(C_3H_4O_2 \cdot C_2H_4O)_x \cdot xNa$
Poly(acrylic acid-co-acrylamide), potassium salt, crosslinked	Acrylamide-potassium acrylate copolymer	31212-13-2	2-Propenoic acid, potassium salt, polymer with 2-propenamamide	R	$(C_3H_5NO \cdot C_3H_4O_2 \cdot K)_x$
Poly(acrylic acid-co-maleic acid)		29132-58-9	2-Butenedioic acid (Z)-, polymer with 2-propenoic acid	R	$(C_4H_4O_4 \cdot C_3H_4O_2)_x$
Poly(acrylic acid-co-maleic acid), sodium salt	Acrylic acid-maleic anhydride copolymer, sodium salt	52255-49-9	2-Propenoic acid, polymer with 2,5-furandione, sodium salt	R	$(C_4H_2O_3 \cdot C_3H_4O_2)_x \cdot xNa$
Poly(acrylonitrile)	Acrylonitrile polymer; poly(1-cyanoethylene)	25014-41-9	2-Propenenitrile, homopolymer	R	$(C_3H_3N)_x$
Poly(acrylonitrile-co-butadiene)	Acrylonitrile-butadiene polymer	9003-18-3	2-Propenenitrile, polymer with 1,3-butadiene	R	$(C_4H_6 \cdot C_3H_3N)_x$
Poly(acrylonitrile-co-butadiene), amine terminated		68683-29-4	2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-4-((2-(1-piperazinyl)ethyl)amino)butyl-terminated	R	$(C_4H_6 \cdot C_3H_3N)_x$
Poly(acrylonitrile-co-butadiene), hydrogenated		88254-10-8	2-Propenenitrile, polymer with 1,3-butadiene, hydrogenated	*	$(C_4H_6 \cdot C_3H_3N)_x$
Poly(acrylonitrile-co-butadiene-co-acrylic acid), dicarboxy terminated		68891-50-9	2-Propenoic acid, polymer with 1,3-butadiene and 2-propenenitrile, 3-carboxy-1-cyano-1-methylpropyl-terminated	*	$(C_4H_6 \cdot C_3H_4O_2 \cdot C_3H_3N)_x$
Poly(acrylonitrile-co-butadiene-co-styrene)	Acrylonitrile-butadiene-styrene polymer; cycolac; styrene-acrylonitrile-butadiene polymer	9003-56-9	2-Propenenitrile, polymer with 1,3-butadiene and ethenylbenzene	R	$(C_8H_8 \cdot C_4H_6 \cdot C_3H_3N)_x$
Poly(acrylonitrile-co-vinylidene chloride-co-methyl methacrylate)	Acrylonitrile-methyl methacrylate-vinylidene chloride polymer	25214-39-5	2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,1-dichloroethene and 2-propenenitrile	R	$(C_5H_8O_2 \cdot C_3H_3N \cdot C_2H_2Cl_2)_x$
Poly(allyl amine hydrochloride)	Allylamine hydrochloride	71550-12-4	2-Propen-1-amine, hydrochloride, homopolymer	R	$(C_3H_7N \cdot ClH)_x$
Poly(p-aminobenzaldehyde)	Poly(4-aminobenzaldehyde)	28107-09-7	Benzaldehyde, 4-amino-, homopolymer	R	$(C_7H_7NO)_x$
Poly(anethole sulfonic acid), sodium salt	Polyanethole sulfonate; sodium polyanetholesulfonate	52993-95-0	Benzene, 1-methoxy-4-(1-propenyl)-, (E)-, homopolymer, sulfonated, sodium salt	R	Unk
Poly(( $\alpha$ , $\beta$ )-D,L-aspartic acid), sodium salt		94525-01-6	D,L-Aspartic acid, homopolymer, sodium salt	R	$(C_4H_7NO_4)_x \cdot xNa$
Poly(azelaic anhydride)	Azelaic acid polymer	26776-28-3	Nonanedioic acid, homopolymer	R	$(C_9H_{16}O_4)_x$
Poly(1,4-benzene dicarboxy- <i>alt</i> -bis(4-phenoxyphenyl) methanone)		55088-54-5	1,4-Benzenedicarbonyl dichloride, polymer with bis(4-phenoxyphenyl)methanone	R	$(C_{25}H_{18}O_3 \cdot C_8H_4Cl_2O_2)_x$

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(benzimidazole)	Diphenyl isophthalate-3,3',4,4'-tetraaminodiphenyl polymer	25928-81-8	1,3-Benzenedicarboxylic acid, diphenyl ester, polymer with (1,1'-biphenyl)-3,3',4,4'-tetramine	R	(C <sub>20</sub> H <sub>14</sub> O <sub>4</sub> · C <sub>12</sub> H <sub>14</sub> N <sub>4</sub> ) <sub>x</sub>
Poly(benzoguanamine-co-formaldehyde), methylated/ethylated		68037-08-1	Formaldehyde, polymer with 6-phenyl-1,3,5-triazine-2,4-diamine, ethylated/methylated	*	Unk
Poly(benzophenone tetracarboxylic dianhydride-co-phenylene diamine)	Benzophenonetetracarboxylic dianhydride-4,4'-oxydianiline- <i>m</i> -phenylenediamine copolymer	31942-21-9	1,3-Isobenzofurandione, 5,5'-carbonylbis-, polymer with 1,3-benzenediamine and 4,4'-oxybis(benzenamine)	R	(C <sub>17</sub> H <sub>6</sub> O <sub>7</sub> · C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O · C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> ) <sub>x</sub>
Poly(2-(4-benzoyl-3-hydroxyphenoxy) ethyl acrylate)	2-Hydroxy-4-acryloxyethoxy-benzophenone polymer	29963-76-6	2-Propenoic acid, 2-(4-benzoyl-3-hydroxyphenoxy)ethyl ester, homopolymer	R	(C <sub>18</sub> H <sub>16</sub> O <sub>5</sub> ) <sub>x</sub>
Poly(benzyl methacrylate)	Benzyl methacrylate polymer	25085-83-0	2-Propenoic acid, 2-methyl-, phenylmethyl ester, homopolymer	R	(C <sub>11</sub> H <sub>12</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(β-cyclodextrin-co-epichlorohydrin)		25655-42-9	β-Cyclodextrin, polymer with (chloromethyl)oxirane	R	(C <sub>42</sub> H <sub>70</sub> O <sub>35</sub> · C <sub>3</sub> H <sub>5</sub> ClO) <sub>x</sub>
Poly(bis(2-chloroethyl)ether-co-1,3-bis(3-(dimethylamino)propyl)urea), quaternary salt		68555-36-2	Urea, <i>N,N'</i> -bis(3-(dimethylamino)propyl)-, polymer with 1,1'-oxybis(2-chloroethane)	R	(C <sub>11</sub> H <sub>26</sub> N <sub>4</sub> O · C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub> O) <sub>x</sub>
Poly(bis(benzyl thio)acetylene)		93975-09-8	Benzene, 1,1'-(1,2-ethyneyldi)bis-(thiomethylene))bis-, homopolymer	R	(C <sub>16</sub> H <sub>14</sub> S <sub>2</sub> ) <sub>x</sub>
Poly(bis(ethyl thio)acetylene)		93975-08-7	Ethyne, bis(ethylthio)-, homopolymer	R	(C <sub>6</sub> H <sub>10</sub> S <sub>2</sub> ) <sub>x</sub>
Poly(bis(methyl thio)acetylene)		93975-07-6	Ethyne, bis(methylthio)-, homopolymer	R	(C <sub>4</sub> H <sub>6</sub> S <sub>2</sub> ) <sub>x</sub>
Poly(bisphenol A-co-4-nitrophthalic anhydride-co-1,3-phenylene diamine)	2,2-Bis(4-(3,4-dicarboxyphenoxy)-phenyl)propane dianhydride- <i>m</i> -phenylenediamine copolymer	61128-46-9	1,3-Isobenzofurandione, 5,5'-((1-methylethylidene)bis(4,1-phenyleneoxy)) bis- polymer with 1,3-benzenediamine	R	(C <sub>31</sub> H <sub>20</sub> O <sub>8</sub> · C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> ) <sub>x</sub>
Poly(bisphenol A-co-epichlorohydrin)		25036-25-3	Phenol, 4,4'-(1-methylethylidene)-bis-, polymer with 2,2'-((1-ethylethylidene)bis(4,1-phenyleneoxymethylene))-bis(oxirane)	R	(C <sub>21</sub> H <sub>24</sub> O <sub>4</sub> · C <sub>15</sub> H <sub>16</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(bisphenol A-co-epichlorohydrin)	Bisphenol A epoxy resin; phenoxy resin	25068-38-6	Phenol, 4,4'-(1-methylethylidene)-bis-, polymer with (chloromethyl)oxirane	R	
Poly(bisphenyl tetracarboxylic dianhydride-co-phenylene diamine)	Biphenyl dianhydride- <i>p</i> -phenylenediamine copolymer	29319-22-0	(5,5'-Biisobenzofuran)-1,1',3,3'-tetrone, polymer with 1,4-benzenediamine	R	(C <sub>16</sub> H <sub>6</sub> O <sub>6</sub> · C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> ) <sub>x</sub>
Poly(4-bromostyrene)	<i>p</i> -Bromostyrene polymer	24936-50-3	Benzene, 1-bromo-4-ethenyl-, homopolymer	R	(C <sub>8</sub> H <sub>7</sub> Br) <sub>x</sub>
Poly(butadiene)	Poly(1-butenylene); butadiene homopolymer	9003-17-2	1,3-Butadiene, homopolymer	R	(C <sub>4</sub> H <sub>6</sub> ) <sub>x</sub>
Poly(butadiene); <i>cis</i> and <i>trans</i>	Poly(1-butenylene)	25038-44-2	Poly(1-butene-1,4-diyl)	R	(C <sub>4</sub> H <sub>6</sub> ) <sub>n</sub>
Poly(butadiene), <i>cis</i>		40022-03-5	Poly(1-butene-1,4-diyl),	R	(C <sub>4</sub> H <sub>6</sub> ) <sub>n</sub>
Poly(butadiene), dicarboxy terminated		68891-79-2	1,3-Butadiene, homopolymer, 3-carboxy-1-cyano-1-methylpropyl-terminated	*	Unk
Poly(butadiene), hydroxyl functionalized		69102-90-5	1,3-Butadiene, homopolymer, hydroxy-terminated	*	Unk
Poly(1,4-butanediol bis(4-aminobenzoate))		54667-43-5	Poly(oxy-1,4-butanediyl), α-(4-aminobenzoyl)-ω-(4-aminobenzoyl)oxy-	R	(C <sub>4</sub> H <sub>8</sub> O) <sub>n</sub> · C <sub>14</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub>
Poly(1,4-butanediol/neopentyl glycol- <i>alt</i> -adipic acid)		36609-31-1	Hexanedioic acid, polymer with 1,4-butanediol and 2,2-dimethyl-1,3-propanediol	R	(C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> · C <sub>5</sub> H <sub>12</sub> O <sub>2</sub> · C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(butene)	Polybutene; polybutylene	9003-29-6	Butene, homopolymer	R	(C <sub>4</sub> H <sub>8</sub> ) <sub>x</sub>
Poly(1-butene)	Polybutene	9003-28-5	1-Butene, homopolymer	R	(C <sub>4</sub> H <sub>8</sub> ) <sub>x</sub>

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(butenes), hydrogenated		68937-10-0	Butene, homopolymer, hydrogenated	*	Unk
Poly(butenes), monoepoxide		119275-53-5	1-Butene, polymer with 2-butene and 2-methyl-1-propene, epoxidized	*	$(C_4H_8 \cdot C_4H_8 \cdot C_4H_8)_x$
Poly(butyl acrylate)	Butyl acrylate polymer	9003-49-0	2-Propenoic acid, butyl ester, homopolymer	R	$(C_7H_{12}O_2)_x$
Poly(4- <i>tert</i> -butylcyclohexyl methacrylate)		34903-89-4	2-Propenoic acid, 2-methyl-, 4-(1,1-dimethylethyl)cyclohexyl ester, homopolymer	R	$(C_{14}H_{24}O_2)_x$
Poly(butyl methacrylate)	Butyl methacrylate polymer	9003-63-8	2-Propenoic acid, 2-methyl, butyl ester, homopolymer	R	$(C_8H_{14}O_2)_x$
Poly(butyl methacrylate- <i>co</i> -isobutyl methacrylate)	Butyl methacrylate – isobutyl methacrylate polymer	9011-53-4	2-Propenoic acid, 2-methyl, butyl ester, polymer with 2-methylpropyl 2-methyl-2-propenoate	R	$(C_8H_{14}O_2 \cdot C_8H_{14}O_2)_x$
Poly(butyl methacrylate- <i>co</i> -methyl methacrylate)	Methyl methacrylate – butyl methacrylate polymer	25608-33-7	2-Propenoic acid, 2-methyl-, butyl ester, polymer with methyl 2-methyl-2-propenoate	R	$(C_8H_{14}O_2 \cdot C_5H_8O_2)_x$
Poly(4- <i>tert</i> -butylphenyl methacrylate)	<i>p-tert</i> -Butylphenyl methacrylate polymer	29696-27-3	2-Propenoic acid, 2-methyl-, 4-(1,1-dimethylethyl)phenyl ester, homopolymer	R	$(C_{14}H_{18}O_2)_x$
Poly(4- <i>tert</i> -butylstyrene)	<i>p-tert</i> -Butylstyrene polymer	26009-55-2	Benzene, 1-(1,1-dimethylethyl)-4-ethenyl-, homopolymer	R	$(C_{12}H_{16})_x$
Poly(1,4-butylene adipate)	Adipic acid–butylene glycol copolymer; adipic acid–butylene glycol polymer; PBAG; poly(butylene adipate); poly-(tetramethylene adipate)	25103-87-1	Hexanedioic acid, polymer with 1,4-butanediol	R	$(C_6H_{10}O_4 \cdot C_4H_{10}O_2)_x$
Poly(1,4-butylene adipate- <i>co</i> -1,4-butylene succinate)	Adipic acid-1,4-butanediol-HMDI-succinic acid copolymer	119553-67-2	Hexanedioic acid, polymer with butanedioic acid, 1,4-butanediol and 1,6-diisocyanatohexane	R	$(C_8H_{12}N_2O_2 \cdot C_6H_{10}O_4 \cdot C_4H_{10}O_2 \cdot C_4H_6O_4)_x$
Poly(1,2-butylene glycol)	1,2-Epoxybutane–propylene glycol polymer	31923-86-1	1,2-Propanediol, polymer with ethyloxirane	R	$(C_4H_8O \cdot C_3H_8O_2)_x$
Poly(1,2-butylene glycol), monobutyl ether		144437-84-3	Oxirane, ethyl-, homopolymer, mono(2-butoxy-1-methylethyl) ether	R	$(C_7H_{16}O_2 \cdot C_4H_8O)_x$
Poly(1,4-butylene glutarate), hydroxy terminated	1,4-Butanediol–glutaric acid copolymer	52256-54-9	Pentanedioic acid, polymer with 1,4-butanediol	R	$(C_5H_8O_4 \cdot C_4H_{10}O_2)_x$
Poly(1,4-butylene succinate)	Butylene glycol–succinic acid copolymer; poly(tetramethylene succinate)	25777-14-4	Butanedioic acid, polymer with 1,4-butanediol	R	$(C_4H_{10}O_2 \cdot C_4H_6O_4)_x$
Poly(1,4-butylene succinate- <i>co</i> -HMDI)	1,4-Butanediol-HMDI-succinic acid copolymer	143606-53-5	Butanedioic acid, polymer with 1,4-butanediol and 1,6-diisocyanatohexane	R	$(C_8H_{12}N_2O_2 \cdot C_4H_{10}O_2 \cdot C_4H_6O_4)_x$
Poly(1,4-butylene terephthalate)	Butanediol–terephthalic acid copolymer; poly(oxytetramethyleneoxy-terephthalic acid–terephthaloyl); tetramethylene glycol polymer, SRU	24968-12-5	Poly(oxy-1,4-butanediolyloxycarbonyl-1,4-phenylenecarbonyl)	R	$(C_{12}H_{12}O_4)_n$
Poly(caprolactone diol)	Caprolactone – diethylene glycol polymer	36890-68-3	2-Oxepanone, polymer with 2,2'-oxybis(ethanol)	R	$(C_6H_{10}O_2 \cdot C_4H_{10}O_3)_x$
Poly(caprolactone triol)	$\epsilon$ -Caprolactone – trimethylolpropane polymer	37625-56-2	2-Oxepanone, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol	R	$(C_6H_{14}O_3 \cdot C_6H_{10}O_2)_x$
Poly(caprolactone triol)		54735-63-6	Poly(oxy(1-oxo-1,6-hexanediyl)), $\alpha$ -hydro- $\omega$ -hydroxy-, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3 : 1)	R	$(C_6H_{10}O_2)_n (C_6H_{10}O_2)_n (C_6H_{10}O_2)_n (C_6H_{14}O_3)_n$
Poly(caprolactone)		24980-41-4	2-Oxepanone, homopolymer	R	$(C_6H_{10}O_2)_x$
Poly(chloroprene)	Chlorobutadiene polymer	9010-98-4	1,3-Butadiene, 2-chloro-, homopolymer	R	$(C_4H_5Cl)_x$

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(chlorostyrene)	Chlorostyrene polymer	9022-52-0	Benzene, chloroethenyl-, homopolymer	R	(C <sub>8</sub> H <sub>7</sub> Cl) <sub>x</sub>
Poly(4-chlorostyrene)	<i>p</i> -Chlorostyrene polymer 4-Chlorostyrene polymer	24991-47-7	Benzene, 1-chloro-4-ethenyl-, homopolymer	R	(C <sub>8</sub> H <sub>7</sub> Cl) <sub>x</sub>
Poly(chlorotrifluoroethylene)	Halocarbon oil	9002-83-9	Ethene, chlorotrifluoro-, homopolymer	R	(C <sub>2</sub> ClF <sub>3</sub> ) <sub>x</sub>
Poly(chlorotrifluoroethylene- <i>co</i> -vinylidene fluoride)	Chlorotrifluoroethylene-vinylidene fluoride polymer; trifluorochloroethylene-vinylidene fluoride polymer	9010-75-7	Ethene, chlorotrifluoro-, polymer with 1,1-difluoroethene	R	(C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> · C <sub>2</sub> ClF <sub>3</sub> ) <sub>x</sub>
Poly(coumarone- <i>co</i> -indene)		35343-70-5	Benzofuran, polymer with 1H-indene	R	(C <sub>9</sub> H <sub>8</sub> · C <sub>8</sub> H <sub>6</sub> O) <sub>x</sub>
Poly( <i>o</i> -cresol glycidyl ether- <i>co</i> -formaldehyde)		29690-82-2	Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol	R	(C <sub>7</sub> H <sub>8</sub> O · C <sub>3</sub> H <sub>5</sub> ClO · CH <sub>2</sub> O) <sub>x</sub>
Poly( <i>o</i> -cresyl glycidyl ether- <i>co</i> -formaldehyde)	Cresol-epichlorohydrin-formaldehyde polymer	37382-79-9	Formaldehyde, polymer with (chloromethyl)oxirane and methylphenol	R	(C <sub>7</sub> H <sub>8</sub> O · C <sub>3</sub> H <sub>5</sub> ClO · CH <sub>2</sub> O) <sub>x</sub>
Poly(2-cyanobutyl acrylate)	Butyl 2-cyanoacrylate polymer; poly(butyl cyanoacrylate)	25154-80-7	2-Propenoic acid, 2-cyano-, butyl ester, homopolymer	R	(C <sub>8</sub> H <sub>11</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(2-cyanoethyl acrylate)	Poly(ethyl cyanoacrylate);	25067-30-5	2-Propenoic acid, 2-cyano-, ethyl ester, homopolymer	R	(C <sub>6</sub> H <sub>7</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(2-cyanoheptyl acrylate)		26936-29-8	2-Propenoic acid, 2-cyano-, heptyl ester, homopolymer	R	(C <sub>11</sub> H <sub>17</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(2-cyanoheptyl acrylate)	Poly(hexyl cyanoacrylate)	26877-39-4	2-Propenoic acid, 2-cyano-, hexyl ester, homopolymer	R	(C <sub>10</sub> H <sub>15</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(2-cyanoisobutyl acrylate)	Isobutyl 2-cyanoacrylate polymer	26809-38-1	2-Propenoic acid, 2-cyano-	R	(C <sub>8</sub> H <sub>11</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(2-cyanoisopropyl acrylate)	Poly(isopropyl cyanoacrylate)	25931-02-6	2-Propenoic acid, 2-cyano-, 1-methylethyl ester, homopolymer	R	(C <sub>7</sub> H <sub>9</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(cyclododecyl acrylate)		56710-66-8	2-Propenoic acid, cyclododecyl ester, homopolymer	R	(C <sub>15</sub> H <sub>26</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(1,4-cyclohexane dimethylene terephthalate- <i>co</i> -ethylene terephthalate)	Dimethyl terephthalate-ethylene glycol-1,4-bis(hydroxymethyl)-cyclohexane copolymer	25640-14-6	1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,4-cyclohexanedimethanol and 2-ethanediol	R	(C <sub>10</sub> H <sub>10</sub> O <sub>4</sub> · C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(cyclohexyl methacrylate)		25768-50-7	2-Propenoic acid, 2-methyl-, cyclohexyl ester, homopolymer	R	(C <sub>10</sub> H <sub>16</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(di(ethylene glycol) glycerol- <i>alt</i> -adipic acid)	Diethylene glycol-glycerol-adipic acid copolymer	26760-54-3	Hexanedioic acid, polymer with 2,2'-oxybis(ethanol) and 1,2,3-propanetriol	R	(C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> · C <sub>4</sub> H <sub>10</sub> O <sub>3</sub> · C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> ) <sub>x</sub>
Poly(diallyl dimethyl ammonium chloride)	Diallyldimethylammonium chloride polymer	26062-79-3	2-Propen-1-aminium, <i>N,N</i> -dimethyl- <i>N</i> -2-propenyl-, chloride, homopolymer	R	(C <sub>8</sub> H <sub>16</sub> N · Cl) <sub>x</sub>
Poly(diallyl isophthalate)	Diallyl isophthalate polymer	25035-78-3	1,3-Benzenedicarboxylic acid, di-2-propenyl ester, homopolymer	R	(C <sub>14</sub> H <sub>14</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(diallyl phthalate)	Diallyl phthalate polymer	25053-15-0	1,2-Benzenedicarboxylic acid, di-2-propenyl ester, homopolymer	R	(C <sub>14</sub> H <sub>14</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(diaminobenzophenone- <i>co</i> -benzophenone tetracarboxylic dianhydride)	Benzophenone tetracarboxylic acid dianhydride- <i>m,m'</i> -diaminobenzophenone polymer, SRU	51518-44-6	Poly((1,3-dihydro-1,3-dioxo-2H-isoindole-2,5-diyl)carbonyl-(1,3-dihydro-1,3-dioxo-2H-isoindole-5,2-diyl)-1,3-phenylene-carbonyl-1,3-phenylene)	R	(C <sub>30</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> ) <sub>n</sub>
Poly((dibenzo-18-crown-6)- <i>co</i> -formaldehyde)		53660-42-7	Formaldehyde, polymer with 6,7,9,10,17,18,20,21-octahydrodibenzo(b,k)(1,4,7,10,13,16)hexaoxacyclooctadecin	R	(C <sub>20</sub> H <sub>24</sub> O <sub>6</sub> · CH <sub>2</sub> O) <sub>x</sub>
Poly(dibromostyrene)		62354-98-7	Benzene, dibromoethenyl-, homopolymer	R	(C <sub>8</sub> H <sub>6</sub> Br <sub>2</sub> ) <sub>x</sub>
Poly(dichlorophosphazene)	Dichlorophosphazine polymer; Poly(nitrile(dichlorophosphoranylidyne))	26085-02-9	Poly(nitrile(dichlorophosphoranylidyne))	R	(Cl <sub>2</sub> NP) <sub>n</sub>

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(diethyl fumarate)		2698-06-6	2-Butenedioic acid (E)-, diethyl ester, homopolymer	R	(C <sub>8</sub> H <sub>12</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(diethylene glycol adipate)	Adipic acid–diethylene glycol polymer	9010-89-3	Hexanedioic acid, polymer with 2,2'-oxybis(ethanol)	R	(C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> · C <sub>4</sub> H <sub>10</sub> O <sub>3</sub> ) <sub>x</sub>
Poly(diethylene glycol/tri-methylol propane- <i>alt</i> -adipic acid), polyol	Adipic acid–diethylene glycol–trimethylolpropane polymer	28183-09-7	Hexanedioic acid, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2,2'-oxybis(ethanol)	R	(C <sub>6</sub> H <sub>14</sub> O <sub>3</sub> · C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> · C <sub>4</sub> H <sub>10</sub> O <sub>3</sub> ) <sub>x</sub>
Poly(1,2-dihydro-2,2,4-trimethylquinoline)	Antioxidant HS; trimethyldihydroquinoline polymer	26780-96-1	Quinoline, 1,2-dihydro-2,2,4-trimethyl-, homopolymer	R	(C <sub>12</sub> H <sub>15</sub> N) <sub>x</sub>
Poly(dimer acid- <i>co</i> -ethylene glycol), hydrogenated		68855-78-7	Fatty acids, C18-unsatd., dimers, hydrogenated, polymers with ethylene glycol	S	Unk
Poly( <i>N,N</i> -dimethylacrylamide)	<i>N,N</i> -Dimethylacrylamide polymer	26793-34-0	2-Propenamide, <i>N,N</i> -dimethyl-, homopolymer	R	(C <sub>5</sub> H <sub>9</sub> NO) <sub>x</sub>
Poly(1,1-dimethyl 3,5-dimethylene piperidinium chloride)		32168-43-7	Poly((1,1-dimethylpiperidinium-3,5-diyl)methylene chloride)	R	(C <sub>8</sub> H <sub>16</sub> N) <sub>n</sub> · Cl
Poly(2,6-dimethyl-1,4-phenylene oxide)	Poly(2,6-xylenol)	25134-01-4	Phenol, 2,6-dimethyl-, homopolymer	R	(C <sub>8</sub> H <sub>10</sub> O) <sub>x</sub>
Poly(2,2-dimethyl-1,3-propylene)	Polyneopentyl glycol succinate	28776-65-0	Poly(oxy(2,2-dimethyl-1,3-propanediyl)oxy(1,4-dioxo-1,4-butanediyl))	R	(C <sub>9</sub> H <sub>14</sub> O <sub>4</sub> ) <sub>n</sub>
Poly(dimethyl siloxane), distearate terminated		130169-63-0	Siloxanes and silicones, di-Me, ((1-oxooctadecyl)oxy)-terminated	S	Unk
Poly(dimethyl siloxane), hydride terminated	Hydrogen-terminated di-Me silicones	70900-21-9	Siloxanes and silicones, di-Me, hydrogen-terminated	S	Unk
Poly(dimethyl siloxane), methoxy terminated		68951-97-3	Siloxanes and silicones, di-Me, methoxy-terminated	S	Unk
Poly(dimethyl siloxane), vinyl terminated		68951-99-5	Siloxanes and silicones, di-Me, Me vinyl, mono(vinyl group)-terminated	S	Unk
Poly(dimethyl siloxane- <i>co</i> -(3-hydroxypropyl)-methyl siloxane), ethoxylated/propoxylated		68937-55-3	Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, ethoxylated propoxylated	S	Unk
Poly(dimethyl siloxane- <i>co</i> -methyl(3-OH-propyl) siloxane)- $\gamma$ -PEG 3-amino-propyl ether)		133779-15-4	Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono(3-aminopropyl) ether	S	Unk
Poly(dimethyl siloxane), hydroxy terminated	Silanol-terminated di-Me siloxanes	70131-67-8	Siloxanes and silicones, di-Me, hydroxy-terminated	S	Unk
Poly(dimethylamine- <i>co</i> -epichlorohydrin)	Epichlorohydrin–dimethylamine copolymer	25988-97-0	Methanamine, <i>N</i> -methyl-, polymer with (chloromethyl)oxirane	R	(C <sub>3</sub> H <sub>5</sub> ClO · C <sub>2</sub> H <sub>7</sub> N) <sub>x</sub>
Poly(dimethylamine- <i>co</i> -epichlorohydrin- <i>co</i> -ethylene diamine)		42751-79-1	1,2-Ethanediamine, polymer with (chloromethyl)oxirane and <i>N</i> -methylmethanamine	R	(C <sub>3</sub> H <sub>5</sub> ClO · C <sub>2</sub> H <sub>8</sub> N <sub>2</sub> · C <sub>2</sub> H <sub>7</sub> N) <sub>x</sub>
Poly(dimethylsiloxane)	Dimethyl silicone; dimethylsilanediol polymer	9016-00-6	Poly(oxy(dimethylsilylene))	R	(C <sub>2</sub> H <sub>6</sub> OSi) <sub>n</sub>
Poly(dimethylsiloxane), vinyl terminated	Dimethylsiloxanes, dimethylvinylsilyl-terminated	68083-19-2	Siloxanes and Silicones, di-Me, vinyl group-terminated	*	Unk
Poly(dimethylsiloxane- <i>co</i> -methylphenyl siloxane)	Methylphenylsiloxane polymer	9005-12-3	Poly(oxy(methylphenylsilylene))	R	(C <sub>7</sub> H <sub>8</sub> OSi) <sub>n</sub>
Poly(dipropylene glycol), phenyl phosphite		116265-68-0	Phosphorous acid, triphenyl ester, reaction products with dipropylene glycol	R	C <sub>18</sub> H <sub>15</sub> O <sub>3</sub> P · C <sub>6</sub> H <sub>14</sub> O <sub>3</sub>
Poly(3-dodecyl thiophene), regioregular	3-Dodecylthiophene homopolymer	104934-53-4	Thiophene, 3-dodecyl-, homopolymer	R	(C <sub>16</sub> H <sub>28</sub> S) <sub>x</sub>
Poly(epichlorohydrin)	Poly(chloromethyl)ethylene oxide	24969-06-0	Oxirane, (chloromethyl)-, homopolymer	R	(C <sub>3</sub> H <sub>5</sub> ClO) <sub>x</sub>
Poly(ethyl acrylate)	Ethyl acrylate polymer	9003-32-1	2-Propenoic acid, ethyl ester, homopolymer	R	(C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(ethyl methacrylate)	Ethyl methacrylate polymer	9003-42-3	2-Propenoic acid, 2-methyl-, ethyl ester, homopolymer	R	(C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>x</sub>

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(ethyl methacrylate-co-methyl acrylate)	Acrylic acid methyl ester, polymer with ethyl methacrylate	26572-20-3	2-Propenoic acid, 2-methyl-	R	$(C_6H_{10}O_2 \cdot C_4H_6O_2)_x$
Poly(ethylene adipate)	Adipic acid-ethylene glycol polymer; PEGA; poly(ethylene glycol adipate)	24938-37-2	Hexanedioic acid, polymer with 1,2-ethanediol	R	$(C_6H_{10}O_4 \cdot C_2H_6O_2)_x$
Poly(ethylene adipate), tolylene 2,4-diisocyanate terminated	Adipic acid-ethylene glycol-toluene diisocyanate copolymer	9019-92-5	Hexanedioic acid, polymer with 1,3-diisocyanatomethylbenzene and 1,2-ethanediol	R	$(C_9H_6N_2O_2 \cdot C_6H_{10}O_4 \cdot C_2H_6O_2)_x$
Poly(ethylene azelate)	Azelaic acid-ethylene glycol polymer	26760-99-6	Nonanedioic acid, polymer with 1,2-ethanediol	R	$(C_9H_{16}O_4 \cdot C_2H_6O_2)_x$
Poly(ethylene glycol methyl ether methacrylate)	Methoxypolyethylene glycol monomethacrylate	26915-72-0	HP = Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -methoxy-	R	$(C_2H_4O)_n$ $C_5H_8O_2$
Poly(ethylene glycol)	Carbowax; oxirane polymer; PEG, poly(ethylene oxide), poly(oxyethylene); poly(vinyl oxide)	25322-68-3	Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-	U	$(C_2H_4O)_nH_2O$
Poly(ethylene glycol), allyl methyl ether		27252-80-8	Poly(oxy-1,2-ethanediyl), $\alpha$ -methyl- $\omega$ -(2-propenyloxy)-	R	$(C_2H_4O)_n$ $C_4H_8O$
Poly(ethylene glycol), bis-2-ethyl-hexanoate		9004-93-7	Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-ethyl-1-oxohexyl)- $\omega$ -((2-ethyl-1-oxohexyl)oxy)-	R	$(C_2H_4O)_n$ $C_{16}H_{30}O_3$
Poly(ethylene glycol), butyl ether	Polyoxyethylene butyl alcohol ether	9004-77-7	Poly(oxy-1,2-ethanediyl), $\alpha$ -butyl- $\omega$ -hydroxy-	R	$(C_2H_4O)_n$ $C_4H_{10}O$
Poly(ethylene glycol), diacrylate		26570-48-9	Poly(oxy-1,2-ethanediyl), $\alpha$ -(1-oxo-2-propenyl)- $\omega$ -((1-oxo-2-propenyl)oxy)-	R	$(C_2H_4O)_n$ $C_6H_6O_3$
Poly(ethylene glycol), dibenzoate	Polyoxyethylene dibenzoate	9004-86-8	Poly(oxy-1,2-ethanediyl), $\alpha$ -benzoyl- $\omega$ -(benzoyloxy)-	R	$(C_2H_4O)_n$ $C_{14}H_{10}O_3$
Poly(ethylene glycol), dimethacrylate	Polyethylene glycol methacrylate	25852-47-5	Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -((2-methyl-1-oxo-2-propenyl)oxy)-	R	$(C_2H_4O)_n$ $C_8H_{10}O_3$
Poly(ethylene glycol), dimethyl ether	Polyoxyethylene dimethyl ether	24991-55-7	Poly(oxy-1,2-ethanediyl), $\alpha$ -methyl- $\omega$ -methoxy-	R	$(C_2H_4O)_n$ $C_2H_6O$
Poly(ethylene glycol), distearate	Polyethylene oxide distearate	9005-08-7	Poly(oxy-1,2-ethanediyl), $\alpha$ -(1-oxooctadecyl)- $\omega$ -((1-oxooctadecyl)oxy)-	R	$(C_2H_4O)_n$ $C_{36}H_{70}O_3$
Poly(ethylene glycol), methyl ether	Carbowax; methoxypoly(ethylene glycol); methyl polyglycol; monomethoxy poly(ethylene oxide)	9004-74-4	Poly(oxy-1,2-ethanediyl), $\alpha$ -methyl- $\omega$ -hydroxy-	R	$(C_2H_4O)_nCH_4O$
Poly(ethylene glycol), methyl ether acrylate	Acrylic acid-methoxy(polyethylene glycol) ester	32171-39-4	Poly(oxy-1,2-ethanediyl), $\alpha$ -(1-oxo-2-propenyl)- $\omega$ -methoxy-	R	$(C_2H_4O)_n$ $C_4H_6O_2$
Poly(ethylene glycol), 4-nonylphenyl ether acrylate	Tetraethylene glycol nonylphenyl ether acrylate	87079-63-8	2-Propenoic acid, 2-(2-(2-(2-(nonylphenoxy)ethoxy)ethoxy)-ethoxy)ethyl ester	R	$C_{26}H_{42}O_6$
Poly(ethylene glycol), bis carboxymethyl ether	Carboxymethylpolyethylene glycol	39927-08-7	Poly(oxy-1,2-ethanediyl), $\alpha$ -(carboxymethyl)- $\omega$ -(carboxymethoxy)-	R	$(C_2H_4O)_n$ $C_4H_6O_5$
Poly(ethylene glycol), bis(3-aminopropyl) terminated		34901-14-9	Poly(oxy-1,2-ethanediyl), $\alpha$ -(3-aminopropyl)- $\omega$ -(3-aminopropoxy)-	R	$(C_2H_4O)_n$ $C_6H_{16}N_2O$
Poly(ethylene glycol), divinyl ether		50856-26-3	Poly(oxy-1,2-ethanediyl), $\alpha$ -ethenyl- $\omega$ -(ethenyloxy)-	R	$(C_2H_4O)_n$ $C_4H_6O$
Poly(ethylene glycol), ethyl ether methacrylate		35625-93-5	Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -ethoxy-	R	$(C_2H_4O)_n$ $C_6H_{10}O_2$
Poly(ethylene glycol), methyl glutarate		79934-70-6	Poly(oxy-1,2-ethanediyl), $\alpha$ -(4-carboxy-1-oxobutyl)- $\omega$ -methoxy-	R	$(C_2H_4O)_n$ $C_6H_{10}O_4$
Poly(ethylene glycol), phenyl ether acrylate	Phenol ethoxylate acrylate, polyethylene glycol monophenyl ether acrylate	56641-05-5	Poly(oxy-1,2-ethanediyl), $\alpha$ -(1-oxo-2-propenyl)- $\omega$ -phenoxy-	R	$(C_2H_4O)_n$ $C_9H_8O_2$



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Poly(ethylene glycol), reacted with bisphenol A diglycidyl ether	Bisphenol A diglycidyl ether-polyethylene glycol polymer ether	37225-26-6	Oxirane, 2,2'-((1-methylethylidene) bis(4,1-phenyleneoxymethylene))bis-polymer with $\alpha$ -hydro- $\omega$ -hydroxypoly (oxy-1,2-ethanediyl)	R	$(C_{21}H_{24}O_4 \cdot (C_2H_4O)_n H_2O)_x$
Poly(ethylene glycol), tetrahydrofurfuryl ether	Glycofural; tetrahydrofurfuryl alcohol polyethylene glycol	31692-85-0	Poly(oxy-1,2-ethanediyl), $\alpha$ -((tetrahydro-2-furanyl)methyl)- $\omega$ -hydroxy-	R	$(C_2H_4O)_n C_5H_{10}O_2$
Poly(ethylene glycol), methacrylate		25736-86-1	Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -hydroxy-	R	$(C_2H_4O)_n C_4H_6O_2$
Poly(ethylene glycol-co-propylene glycol)	Polyethylene-polypropylene glycol monobutyl ether	9038-95-3	Oxirane, methyl-, polymer with oxirane, monobutyl ether	R	$C_4H_{10}O \cdot (C_3H_6O \cdot C_2H_4O)_x$
Poly(ethylene imine)	Polyaziridine, polyethenimide	9002-98-6	Aziridine, homopolymer	R	$(C_2H_5N)_x$
Poly(ethylene imine)	Ethylenediamine-ethylenimine polymer	25987-06-8	1,2-Ethanediamine, polymer with aziridine	R	$(C_2H_8N_2 \cdot C_2H_5N)_x$
Poly(ethylene imine), ethoxylated	Aziridine-ethylene oxide copolymer	26658-46-8	Aziridine, polymer with oxirane	R	$(C_2H_5N \cdot C_2H_4O)_x$
Poly(ethylene monoalcohol)		71750-71-5	Alcohols, $c > 14$	S	Unk
Poly(ethylene succinate)	Ethylene glycol-succinic acid polymer	25569-53-3	Butanedioic acid, polymer with 1,2-ethanediol	R	$(C_4H_6O_4 \cdot C_2H_6O_2)_x$
Poly(ethylene terephthalate)	Dimethyl terephthalate-ethylene glycol polymer; PET; poly(oxyethylene oxyterephthaloyl)	25038-59-9	Poly(oxy-1,2-ethanediyl-oxy-carbonyl-1,4-phenylenecarbonyl)	U	$(C_{10}H_8O_4)_n$
Poly(ethylene)	Poly(methylene)	9002-88-4	Ethene, homopolymer	R	$(C_2H_4)_x$
Poly(ethylene), chlorinated		63231-66-3	Rubber, synthetic, chlorinated polyethylene	S	Unk
Poly(ethylene), chlorosulfonated		68037-39-8	Ethene, homopolymer, chlorinated, chlorosulfonated	*	Unk
Poly(ethylene), oxidized		68441-17-8	Ethene, homopolymer, oxidized	*	Unk
Poly(ethylene- <i>alt</i> -chlorotrifluoroethylene)	Chlorotrifluoroethene-ethene copolymer; ethylene-trifluoro-chloroethylene copolymer	25101-45-5	Ethene, chlorotrifluoro-, polymer with ethene	R	$(C_2H_4 \cdot C_2ClF_3)_x$
Poly(ethylene- <i>alt</i> -maleic anhydride)	Maleic anhydride-ethylene polymer	9006-26-2	2,5-Furandione, polymer with ethene	R	$(C_4H_2O_3 \cdot C_2H_4)_x$
Poly(ethylene- <i>block</i> -poly(ethylene glycol))		97953-22-5	Alcohols, $C > 30$ , ethoxylated	S	Unk
Poly(ethylene- <i>co</i> -1-butene)	Butene-ethylene polymer; ethylene-1-butene copolymer; 1-butene-ethene polymer	25087-34-7	1-Butene, polymer with ethene	R	$(C_4H_8 \cdot C_2H_4)_x$
Poly(ethylene- <i>co</i> -1-butene- <i>co</i> -1-hexene)	Butene-ethene-hexene-1 copolymer	60785-11-7	1-Hexene, polymer with 1-butene and ethene	R	$(C_6H_{12} \cdot C_4H_8 \cdot C_2H_4)_x$
Poly(ethylene- <i>co</i> -1-octene)	Ethylene-1-octene polymer	26221-73-8	1-Octene, polymer with ethene	R	$(C_8H_{16} \cdot C_2H_4)_x$
Poly(ethylene- <i>co</i> -acrylic acid)	Acrylic acid-ethylene polymer; ethylene-acrylic acid polymers; primacor	9010-77-9	2-Propenoic acid, polymer with ethene	R	$(C_3H_4O_2 \cdot C_2H_4)_x$
Poly(ethylene- <i>co</i> -acrylic acid), sodium salt	Ethylene-acrylic acid polymer, sodium salt	25750-82-7	2-Propenoic acid, polymer with ethene, sodium salt	R	$(C_3H_4O_2 \cdot C_2H_4)_x \cdot xNa$
Poly(ethylene- <i>co</i> -acrylic acid), zinc salt		28208-80-2	2-Propenoic acid, polymer with ethene, zinc salt	R	$(C_3H_4O_2 \cdot C_2H_4)_x \cdot xZn$
Poly(ethylene- <i>co</i> -butyl acrylate)	Butyl acrylate-ethylene copolymer	25750-84-9	2-Propenoic acid, butyl ester, polymer with ethene	R	$(C_7H_{12}O_2 \cdot C_2H_4)_x$
Poly(ethylene- <i>co</i> -butyl acrylate- <i>co</i> -maleic anhydride)		64652-60-4	2-Propenoic acid, butyl ester, polymer with ethene and 2,5-furandione	R	$(C_7H_{12}O_2 \cdot C_4H_2O_3 \cdot C_2H_4)_x$
Poly(ethylene- <i>co</i> -carbon monoxide)	Carbon monoxide-ethylene copolymer	25052-62-4	Ethene, polymer with carbon monoxide	R	$(C_2H_4 \cdot CO)_x$
Poly(ethylene- <i>co</i> -ethyl acrylate)	Ethyl acrylate-ethylene polymer	9010-86-0	2-Propenoic acid, ethyl ester, polymer with ethene	R	$(C_5H_8O_2 \cdot C_2H_4)_x$
Poly(ethylene- <i>co</i> -ethyl acrylate- <i>co</i> -maleic anhydride)		41171-14-6	2-Propenoic acid, ethyl ester, polymer with ethene and 2,5-furandione	R	$(C_5H_8O_2 \cdot C_4H_2O_3 \cdot C_2H_4)_x$
Poly(ethylene- <i>co</i> -glycidyl methacrylate)	2,3-Epoxypropyl methacrylate-ethylene copolymer	26061-90-5	2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethene	R	$(C_7H_{10}O_3 \cdot C_2H_4)_x$

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(ethylene- <i>co</i> -methacrylic acid)	Ethylene-methacrylic acid copolymers; Poly(ethylene-methacrylic acid)	25053-53-6	2-Propenoic acid, 2-methyl-, polymer with ethene	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>co</i> -methacrylic acid), sodium salt	Ethylene-methacrylic acid polymer, sodium salt	25608-26-8	2-Propenoic acid, 2-methyl, polymer with ethene, sodium salt	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub> · xNa
Poly(ethylene- <i>co</i> -methacrylic acid), zinc salt		28516-43-0	2-Propenoic acid, 2-methyl-, polymer with ethene, zinc salt	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub> · xZn
Poly(ethylene- <i>co</i> -methyl acrylate)	Ethylene-methyl acrylate polymer	25103-74-6	2-Propenoic acid, methyl ester, polymer with ethene	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>3</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>co</i> -methyl acrylate- <i>co</i> -acrylic acid)		41525-41-1	2-Propenoic acid, polymer with ethene and methyl 2-propenoate	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>co</i> -methyl acrylate- <i>co</i> -glycidyl methacrylate)		51541-08-3	2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethene and methyl 2-propenoate	R	(C <sub>7</sub> H <sub>10</sub> O <sub>3</sub> · C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>co</i> -propylene)	Ethylene-propene copolymer; poly(ethylene-propylene); polypropylene-polyethylene copolymer	9010-79-1	1-Propene, polymer with ethene	R	(C <sub>3</sub> H <sub>6</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>co</i> -propylene- <i>co</i> -5-methylene-2-norbornene)	Ethylene-ethylidenebicycloheptene-propene copolymer; ethylene-ethylidenenorbornene-propylene polymer	25038-36-2	Bicyclo(2.2.1)hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene	R	(C <sub>9</sub> H <sub>12</sub> · C <sub>3</sub> H <sub>6</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>co</i> -tetrafluoroethylene)	Ethylene copolymer with tetrafluoroethylene	25038-71-5	Ethene, tetrafluoro-, polymer with ethene	R	(C <sub>2</sub> H <sub>4</sub> · C <sub>2</sub> F <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>co</i> -vinyl acetate)	Vinyl acetate-ethylene polymer	24937-78-8	Acetic acid ethenyl ester, polymer with ethene	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>co</i> -vinyl acetate- <i>co</i> -carbon monoxide)	Carbon monoxide-ethylene-vinyl acetate polymer	26337-35-9	Acetic acid ethenyl ester, polymer with carbon monoxide and ethene	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> · CO) <sub>x</sub>
Poly(ethylene- <i>graft</i> -maleic anhydride)		106343-08-2	2,5-Furandione, polymer with ethene, graft	R	(C <sub>4</sub> H <sub>2</sub> O <sub>3</sub> · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(ethylene- <i>ran</i> -butylene), mono-ol		68954-09-6	1,3-Butadiene, homopolymer, hydrogenated	*	Unk
Poly(2-ethylhexyl acrylate)	2-Ethylhexyl acrylate polymer	9003-77-4	2-Propenoic acid, 2-ethylhexyl ester, homopolymer	R	(C <sub>11</sub> H <sub>20</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(2-ethylhexyl methacrylate)		25719-51-1	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, homopolymer	R	(C <sub>12</sub> H <sub>22</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(2-ethyl-2-oxazoline)	2-Ethyl-2-oxazoline polymer; 2-ethyloxazoline homopolymer	25805-17-8	Oxazole, 2-ethyl-4,5-dihydro-, homopolymer	R	(C <sub>5</sub> H <sub>9</sub> NO) <sub>x</sub>
Poly(4-ethylstyrene- <i>co</i> -divinylbenzene)	Divinylbenzene-ethylstyrene polymer	9043-77-0	Benzene, diethenyl-polymer with ethenylethylbenzene	R	(C <sub>10</sub> H <sub>12</sub> · C <sub>10</sub> H <sub>10</sub> ) <sub>x</sub>
Poly(furfuryl alcohol)		25212-86-6	2-Furanmethanol, homopolymer	R	(C <sub>5</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(D-glutamic acid), sodium salt		30811-79-1	D-Glutamic acid, homopolymer, sodium salt	R	(C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> ) <sub>x</sub> · xNa
Poly(L-glutamic acid), sodium salt	Poly(glutamic acid) sodium salt	26247-79-0	L-Glutamic acid, homopolymer, sodium salt	R	(C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> ) <sub>x</sub> · xNa
Poly(glycine)	Nylon 2, poly(imino(1-oxoethylene))	25718-94-9	Glycine, homopolymer	R	(C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(glycolide)	Hydroxyacetic acid polymer; poly(glycolic acid)	26124-68-5	Acetic acid, hydroxy-, homopolymer	R	(C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> ) <sub>x</sub>
Poly(hexadecyl methacrylate)	Poly(cetyl methacrylate)	25986-80-5	2-Propenoic acid, 2-methyl-, hexadecyl ester, homopolymer	R	(C <sub>20</sub> H <sub>38</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(hexafluoroisopropylidene diphthalic anhydride- <i>co</i> -oxydianiline)	Hexafluoroisopropylidenebis-(phthalic anhydride)-oxydianiline copolymer	032240-73-6	1,3-Isobenzofurandione, 5,5'-(2,2,2-trifluoro-1-(trifluoromethyl)-ethylidene)bis-, polymer with 4,4'-oxybis(benzenamine)	R	(C <sub>19</sub> H <sub>6</sub> F <sub>6</sub> O <sub>6</sub> · C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O) <sub>x</sub>
Poly(1,6-hexamethylene adipate)	Adipic acid-hexanediol polymer	25212-06-0	Hexanedioic acid, polymer with 1,6-hexanediol	R	(C <sub>6</sub> H <sub>14</sub> O <sub>2</sub> · C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(1,6-hexanediol/neopentyl glycol/di(ethylene glycol)- <i>alt</i> -adipic acid) diol		68492-71-7	Hexanedioic acid, polymer with 2,2-dimethyl-1,3-propanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol and 2,2'-oxybis(ethanol)	R	(C <sub>6</sub> H <sub>14</sub> O <sub>3</sub> · C <sub>6</sub> H <sub>14</sub> O <sub>2</sub> · C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> · C <sub>5</sub> H <sub>12</sub> O <sub>2</sub> · C <sub>4</sub> H <sub>10</sub> O <sub>3</sub> ) <sub>x</sub>

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(1,6-hexanediol/neopentyl glycol- <i>alt</i> -adipic acid)	Adipic acid-hexamethylene glycol-neopentyl glycol polymer	25214-14-6	Hexanedioic acid, polymer with 2,2-dimethyl-1,3-propanediol and 1,6-hexanediol	R	$(C_6H_{14}O_2 \cdot C_6H_{10}O_4 \cdot C_5H_{12}O_2)_x$
Poly(hexamethylene diisocyanate)	HMDI homopolymer	28182-81-2	Hexane, 1,6-diisocyanato-, homopolymer	R	$(C_8H_{12}N_2O_2)_x$
Poly(hexyl methacrylate)	Hexyl methacrylate polymer	25087-17-6	2-Propenoic acid, 2-methyl-, hexyl ester, homopolymer	R	$(C_{10}H_{18}O_2)_x$
Poly(1-hexene)		25067-06-5	1-Hexene, homopolymer	R	$(C_6H_{12})_x$
Poly(3-hexyl thiophene), regioregular		140934-50-1	Thiophene, 3-hexyl-, homopolymer	R	$(C_{10}H_{16}S)_x$
Poly(L-histidine)	Polyhistidine	26062-48-6	L-Histidine, homopolymer	R	$(C_6H_7N_3O)_x$
Poly(L-histidine hydrochloride)	Polyhistidine hydrochloride	61857-39-4	L-Histidine, homopolymer, hydrochloride	R	$(C_6H_9N_3O_2)_x \cdot xClH$
Poly(4-hydroxybenzoate)	Poly( <i>p</i> -acetoxybenzoic acid)	26099-71-8	Poly(oxy-1,4-phenylenecarbonyl)	R	$(C_7H_4O_2)_n$
Poly(4-hydroxy benzoic acid- <i>co</i> -6-hydroxy-2-naphthoic acid)	<i>p</i> -Acetoxybenzoic acid-6-acetoxy-2-naphthoic acid polymer	70679-92-4	2-Naphthalenecarboxylic acid, 6-(acetyloxy)-, polymer with 4-(acetyloxy)benzoic acid	R	$(C_{13}H_{10}O_4 \cdot C_9H_8O_4)_x$
Poly(3-hydroxybutyric acid)	Poly( $\beta$ -hydroxybutyric acid)	26063-00-3	Butanoic acid, 3-hydroxy-, homopolymer	R	$(C_4H_8O_3)_x$
Poly(3-hydroxybutyric acid- <i>co</i> -3-hydroxy valeric acid)	Bipol PHBV; 3-hydroxy butanoic acid-3-hydroxy valeric acid copolymer	80181-31-3	Pentanoic acid, 3-hydroxy-, polymer with 3-hydroxybutanoic acid	R	$(C_5H_{10}O_3 \cdot C_4H_8O_3)_x$
Poly(2-hydroxyethyl methacrylate)	Ethylene glycol monomethacrylate polymer	25249-16-5	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, homopolymer	R	$(C_6H_{10}O_3)_x$
Poly(2-hydroxypropyl methacrylate)		25703-79-1	2-Propenoic acid, 2-methyl-, 2-hydroxypropyl ester, homopolymer	R	$(C_7H_{12}O_3)_x$
Poly(imino(tetrachloroterephthaloyl)-iminohexamethylene)	Hexamethylenediamine-perchloroterephthaloyl dichloride copolymer, SRU	071164-49-3	Poly(iminocarbonyl(2,3,5,6-tetrachloro-1,4-phenylene)-carbonylimino-1,6-hexanediyl)	R	$(C_{14}H_{14}Cl_4N_2O_2)_n$
Poly(isobornyl methacrylate)	Methacrylic acid, isobornyl ester, polymers	64114-51-8	2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo(2.2.1)hept-2-yl ester, exo-, homopolymer	R	$(C_{14}H_{22}O_2)_x$
Poly(isobutyl methacrylate)	Isobutyl methacrylate polymer	9011-15-8	2-Propenoic acid, 2-methyl-, 2-methylpropylester, homopolymer	R	$(C_8H_{14}O_2)_x$
Poly(isobutylene)	Poly(1,1-dimethylethylene); isobutene polymer; isobutylene polymer; polyisobutene	9003-27-4	1-Propene, 2-methyl, homopolymer	R	$(C_4H_8)_x$
Poly(isobutylene- <i>alt</i> -maleic anhydride)		26426-80-2	2,5-Furandione, polymer with 2-methyl-1-propene	R	$(C_4H_8 \cdot C_4H_2O_3)_x$
Poly(isobutylene- <i>co</i> -isoprene)	Isobutylene-isoprene polymer	9010-85-9	1,3-Butadiene, 2-methyl, polymer with 2-methyl-1-propene	R	$(C_5H_8 \cdot C_4H_8)_x$
Poly(isobutylene- <i>co</i> -isoprene)		68081-82-3	1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene, chlorinated	*	$(C_5H_8 \cdot C_4H_8)_x$
Poly(isobutylene- <i>co</i> -isoprene), brominated		68441-14-5	1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene, brominated	*	$(C_5H_8 \cdot C_4H_8)_x$
Poly(isodecyl methacrylate)		27300-12-7	2-Propenoic acid, 2-methyl-, isodecyl ester, homopolymer	R	$(C_{14}H_{26}O_2)_x$
Poly(isophorone diisocyanate)		53880-05-0	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer	R	$(C_{12}H_{18}N_2O_2)_x$
Poly(isophorone diisocyanate- <i>co</i> -poly(propylene glycol))	Isophorone diisocyanate-polypropylene ether glycol polymer; polypropylene glycol-isophorone diisocyanate copolymer	039323-37-0	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -hydro- $\omega$ -hydroxy-, polymer with	R	$(C_{12}H_{18}N_2O_2 \cdot (C_3H_6O)_n \cdot H_2O)_x$
Poly(isoprene), <i>cis</i>	Poly(1-methyl-1-butenylene)	9003-31-0	1,3-Butadiene, 2-methyl-, homopolymer	R	$(C_5H_8)_x$
Poly(isoprene), <i>trans</i>		104389-32-4	Poly(1-methyl-1-butene-1,4-diyl), (E)-	R	$(C_5H_8)_n$

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(isoprene)- <i>block</i> -poly(butadiene)	Butadiene-isoprene polymer; 1,3-Butadiene-isoprene polymer	25102-52-7	1,3-Butadiene, 2-methyl-, polymer with 1,3-butadiene	R	(C <sub>5</sub> H <sub>8</sub> · C <sub>4</sub> H <sub>6</sub> ) <sub>x</sub>
Poly(isoprene- <i>graft</i> -maleic acid monomethyl ester)		128000-08-8	1,3-Butadiene, 2-methyl-, homopolymer, maleated, mono-methyl esters	*	Unk
Poly(2-isopropenyl-2-oxazoline- <i>co</i> -methyl methacrylate)		27341-60-2	2-Propenoic acid, 2-methyl-, methyl ester, polymer	R	(C <sub>6</sub> H <sub>9</sub> NO · C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(isopropyl methacrylate)		26655-94-7	2-Propenoic acid, 2-methyl-, 1-methylethyl ester, homopolymer	R	(C <sub>7</sub> H <sub>12</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(isopropyl vinyl ether)	Isopropyl vinyl ether polymer	25585-49-3	Propane, 2-(ethenyloxy)-, homopolymer	R	(C <sub>5</sub> H <sub>10</sub> O) <sub>x</sub>
Poly(itaconic acid)	Poly(2-methylenesuccinic acid)	25119-64-6	Butanedioic acid, methylene, homopolymer	R	(C <sub>5</sub> H <sub>6</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(lactide)	Lactide polymer; poly(DL-lactide)	26680-10-4	1,4-Dioxane-2,5-dione, 3,6-dimethyl-homopolymer	R	(C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(D,L-lactide- <i>co</i> -glycolide)	Glycolide-DL-lactide polymer; polyglactin	26780-50-7	1,4-Dioxane-2,5-dione, 3,6-dimethylpolymer with 1,4-dioxane-2,5-dione	R	(C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> · C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(lauryl lactam)- <i>block</i> -poly(tetrahydrofuran)	Maleic anhydride-1-tetradecene polymer	31473-53-7	2,5-Furandione, polymer with 1-tetradecene	R	(C <sub>14</sub> H <sub>28</sub> · C <sub>4</sub> H <sub>2</sub> O <sub>3</sub> ) <sub>x</sub>
Poly(lauryl methacrylate)	Poly(dodecyl methacrylate)	25719-52-2	2-Propenoic acid, 2-methyl-, dodecyl ester, homopolymer	R	(C <sub>16</sub> H <sub>30</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(lauryl methacrylate- <i>co</i> -ethylene glycol dimethacrylate)	Ethylene glycol dimethacrylate-lauryl methacrylate copolymer	61181-29-1	2-Propenoic acid, 2-methyl-, 1,2-ethanediy ester, polymer with dodecyl 2-methyl-2-propenoate	R	(C <sub>16</sub> H <sub>30</sub> O <sub>2</sub> · C <sub>10</sub> H <sub>14</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(D,L-lysine hydrobromide)		73565-55-6	DL-Lysine, homopolymer, hydrobromide	R	(C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub> · xBrH
Poly(L-leucine)	Polyleucine	25248-98-0	L-Leucine, homopolymer	R	(C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(L-leucine hydrobromide)	Poly-L-lysine hydrogen bromide; polylysine hydrobromide	25988-63-0	L-Lysine, homopolymer, hydrobromide	R	(C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub> · xBrH
Poly(D-lysine hydrobromide)		27964-99-4	D-Lysine, homopolymer, hydrobromide	R	(C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub> · xBrH
Poly(L-lysine hydrochloride)	Lysine homopolymer hydrochloride	28826-16-6	L-Lysine, homopolymer, hydrochloride	R	(C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub> · xClH
Poly(L-lysine)	Lysine homopolymer	25104-18-1	L-Lysine, homopolymer	R	(C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(maleic anhydride- <i>alt</i> -1-octadecene)	1-Octadecene-maleic anhydride polymer	25266-02-8	2,5-Furandione, polymer with 1-octadecene	R	(C <sub>18</sub> H <sub>36</sub> · C <sub>4</sub> H <sub>2</sub> O <sub>3</sub> ) <sub>x</sub>
Poly(maleic anhydride- <i>alt</i> -α-olefin)		68036-97-5	1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde, butylated methylated	*	(C <sub>3</sub> H <sub>6</sub> N <sub>6</sub> · CH <sub>2</sub> O) <sub>x</sub>
Poly(melamine- <i>co</i> -formaldehyde), butylated		68002-25-5	1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde, butylated	*	(C <sub>3</sub> H <sub>6</sub> N <sub>6</sub> · CH <sub>2</sub> O) <sub>x</sub>
Poly(melamine- <i>co</i> -formaldehyde), butylated		68459-79-0	Alkenes, C24-28 α-, polymers with maleic anhydride	S	Unk
Poly(melamine- <i>co</i> -formaldehyde), butylated/methylated		70750-53-7	Terpenes and terpenoids, limonene fraction, polymd.	S	Unk
Poly(melamine- <i>co</i> -formaldehyde), methylated	Lauroactam-polytetramethylene glycol copolymer	84732-38-7	Azacyclotridecan-2-one, polymer with α-hydro-ω-hydroxypoly-(oxy-1,4-butanediyl)	R	(C <sub>12</sub> H <sub>23</sub> NO · (C <sub>4</sub> H <sub>8</sub> O) <sub>n</sub> · H <sub>2</sub> O) <sub>x</sub>
Poly(melamine- <i>co</i> -formaldehyde), isobutylated		68002-21-1	1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde, isobutylated	*	(C <sub>3</sub> H <sub>6</sub> N <sub>6</sub> · CH <sub>2</sub> O) <sub>x</sub>
Poly(methacrylic acid), sodium salt		54193-36-1	2-Propenoic acid, 2-methyl-, homopolymer, sodium salt	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub> · xNa
Poly(L-methionine)	Methionine homopolymer	26242-79-0	L-Methionine, homopolymer	R	(C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S) <sub>x</sub>
Poly(4-methoxystyrene)	Poly( <i>p</i> -methoxystyrene); poly(4-vinylanisole)	24936-44-5	Benzene, 1-ethenyl-4-methoxy-, homopolymer	R	(C <sub>9</sub> H <sub>10</sub> O) <sub>x</sub>
Polymethylene polyphenylene isocyanate	Poly(phenyl isocyanate- <i>co</i> -formaldehyde), poly(methylene poly(phenyl isocyanate))	9016-87-9	Isocyanic acid, polymethylene-polyphenylene ester	R	Unk

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(methyl acrylate)	Methyl acrylate polymer	9003-21-8	2-Propenoic acid, methyl ester, homopolymer	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(4,4'-methylene bis(phenyl isocyanate)- <i>alt</i> -butanediol/di-PG/polycaprolactone))		68084-39-9	2-Oxepanone, polymer with 1,4-butanediol, 1,1'-methylene-bis(isocyanatobenzene) and oxybis(propanol)	R	(C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> · C <sub>6</sub> H <sub>14</sub> O <sub>3</sub> · C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> · C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(4,4'-methylene bisphenyl isocyanate)	1,4-Butanediol-methylenedi- <i>p</i> -phenylene isocyanate-polytetra-methylene-ether glycol copolymer	9018-04-6	1,4-Butanediol, polymer with $\alpha$ -hydro- $\omega$ -hydroxypoly-(oxy-1,4-butanediyl) and 1,1'-methylenebis(4-isocyanatobenzene)	R	(C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> · C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> · (C <sub>4</sub> H <sub>8</sub> O) <sub>n</sub> · H <sub>2</sub> O) <sub>x</sub>
Poly(methyl methacrylate)	Methacrylic acid methyl ester; methyl methacrylate polymer	9011-14-7	2-Propenoic acid, 2-methyl, methyl ester, homopolymer	R	(C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(methyl methacrylate- <i>co</i> -butadiene- <i>co</i> -styrene)	Butadiene-methyl methacrylate-styrene polymer	25053-09-2	2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene	R	(C <sub>8</sub> H <sub>8</sub> · C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> · C <sub>4</sub> H <sub>6</sub> ) <sub>x</sub>
Poly(methyl methacrylate- <i>co</i> -ethyl acrylate)	Methyl methacrylate-ethyl acrylate polymer	9010-88-2	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate	R	(C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> · C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(3-methyl 1,5-pentanediol adipate)	Adipic acid-3-methyl-1,5-pentanediol copolymer	39751-34-3	Hexanedioic acid, polymer with 3-methyl-1,5-pentanediol	R	(C <sub>6</sub> H <sub>14</sub> O <sub>2</sub> · C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> ) <sub>x</sub>
Poly(4-methyl-1-pentene)	Methylpentene polymer; 4-methylpentene homopolymer	25068-26-2	1-Pentene, 4-methyl-, homopolymer	R	(C <sub>6</sub> H <sub>12</sub> ) <sub>x</sub>
Poly(methyl sorbate)		30813-48-0	2,4-Hexadienoic acid, methyl ester, (E,E)-, homopolymer	R	(C <sub>7</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(4-methyl styrene)	<i>p</i> -Methylstyrene polymer; 4-methylstyrene homopolymer	24936-41-2	Benzene, 1-ethenyl-4-methyl-, homopolymer	R	(C <sub>9</sub> H <sub>10</sub> ) <sub>x</sub>
Poly( $\alpha$ -methyl styrene)	$\alpha$ -Methylstyrene polymer	25014-31-7	Benzene, (1-methylethenyl)-, homopolymer	R	(C <sub>9</sub> H <sub>10</sub> ) <sub>x</sub>
Poly(methyl styrene- <i>co</i> -indene), hydrogenated		69430-35-9	Hydrocarbons, C <sub>6</sub> -C <sub>20</sub> , polymers, hydrogenated	S	Unk
Poly(methyl vinyl ether- <i>alt</i> -maleic acid monoethyl ester)	Ethyl maleate-methyl vinyl ether polymer; maleic acid monoethyl ester-methyl vinyl ether polymer; monoethyl maleate-methyl vinyl ether polymer	25087-06-3	2-Butenedioic acid (Z)-, monoethyl ester, polymer with methoxyethene	R	(C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> · C <sub>3</sub> H <sub>6</sub> O) <sub>x</sub>
Poly(methyl vinyl ether- <i>alt</i> -maleic acid monoisopropyl ester)		31307-95-6	2-Butenedioic acid (Z)-, mono(1-methylethyl) ester, polymer with methoxyethene	R	(C <sub>7</sub> H <sub>10</sub> O <sub>4</sub> · C <sub>3</sub> H <sub>6</sub> O) <sub>x</sub>
Poly(methyl vinyl ether- <i>alt</i> -maleic acid)	Maleic acid-methyl vinyl ether copolymer; maleic acid-methyl vinyl ether polymer	25153-40-6	2-Butenedioic acid (Z)-, polymer with methoxyethene	R	(C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> · C <sub>3</sub> H <sub>6</sub> O) <sub>x</sub>
Poly(methyl vinyl ether- <i>alt</i> -maleic anhydride)	Maleic anhydride-methyl vinyl ether polymer	9011-16-9	2,5-Furandione, polymer with methoxyethene	R	(C <sub>4</sub> H <sub>2</sub> O <sub>3</sub> · C <sub>3</sub> H <sub>6</sub> O) <sub>x</sub>
Poly(methyl vinyl ether- <i>alt</i> -maleic anhydride)	1,9-Decadiene-maleic anhydride-methyl vinyl ether copolymer	136392-67-1	2,5-Furandione, polymer with 1,9-decadiene and methoxyethene	R	(C <sub>10</sub> H <sub>18</sub> · C <sub>4</sub> H <sub>2</sub> O <sub>3</sub> · C <sub>3</sub> H <sub>6</sub> O) <sub>x</sub>
Poly(methylhydrosiloxane)	Methyl hydrogen siloxane	9004-73-3	Poly(oxy(methylsilylene))	R	(CH <sub>4</sub> OSi) <sub>n</sub>
Poly(neopentyl glycol adipate)	Adipic acid-neopentyl glycol copolymer	27925-07-1	Hexanedioic acid, polymer with 2,2-dimethyl-1,3-propanediol	R	(C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> · C <sub>5</sub> H <sub>12</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(neopentyl glycol sebacate)		28759-54-8	Poly(oxy(2,2-dimethyl-1,3-propanediyl)oxy(1,10-dioxo-1,10-decanediyl))	R	(C <sub>15</sub> H <sub>26</sub> O <sub>4</sub> ) <sub>n</sub>
Poly(neopentyl methacrylate)		34903-87-2	2-Propenoic acid, 2-methyl-, 2,2-dimethylpropyl ester, homopolymer	R	(C <sub>9</sub> H <sub>16</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(norbornene)	Poly(2-norbornene); polynorbornenylene	25038-76-0	Bicyclo(2.2.1)hept-2-ene, homopolymer	R	(C <sub>7</sub> H <sub>10</sub> ) <sub>x</sub>
Poly(octadecyl methacrylate)	Stearyl methacrylate homopolymer	25639-21-8	2-Propenoic acid, 2-methyl-, octadecyl ester, homopolymer	R	(C <sub>22</sub> H <sub>42</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(octadecyl vinyl ether- <i>co</i> -maleic anhydride)	Maleic anhydride-octadecyl vinyl ether polymer	28214-64-4	2,5-Furandione, polymer with 1-(ethenyloxy)octadecane	R	(C <sub>20</sub> H <sub>40</sub> O · C <sub>4</sub> H <sub>2</sub> O <sub>3</sub> ) <sub>x</sub>
Poly(octyl acrylate)	Octyl acrylate polymer	25266-13-1	2-Propenoic acid, octyl ester, homopolymer	R	(C <sub>11</sub> H <sub>20</sub> O <sub>2</sub> ) <sub>x</sub>

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(3-octyl thiophene), regioregular		104934-51-2	Thiophene, 3-octyl-, homopolymer	R	(C <sub>12</sub> H <sub>20</sub> S) <sub>x</sub>
Poly(L-ornithine)	Polyornithine	25104-12-5	L-Ornithine, homopolymer	R	(C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(L-ornithine hydrobromide)	Polyornithine hydrobromide	27378-49-0	L-Ornithine, homopolymer, hydrobromide	R	(C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub> · xBrH
Poly(D,L-ornithine hydrobromide)		82682-33-5	DL-Ornithine, homopolymer, hydrobromide	R	(C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub> · xBrH
Poly(L-ornithine hydrochloride)	Poly-L-ornithine-hydrochloride	26982-21-8	L-Ornithine, homopolymer, hydrochloride	R	(C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>x</sub> · xClH
Poly[oxy(2,6-dimethyl- 1,4-phenylene)]	Poly(2,6-dimethyl- <i>p</i> -phenylene ether); poly(2,6-dimethyl- 1,4-phenylene oxide). SRU	24938-67-8	Poly(oxy(2,6-dimethyl- 1,4-phenylene))	R	
Poly(oxy-1,4-phenylene oxy- 1,4-phenylene carbonyl 1,4-phenylene)	4,4'-Difluorobenzophenone- hydroquinone copolymer. SRU; PEEK	31694-16-3	Poly(oxy-1,4-phenyleneoxy- 1,4-phenylenecarbonyl- 1,4-phenylene)	R	(C <sub>19</sub> H <sub>12</sub> O <sub>3</sub> ) <sub>n</sub>
Poly(oxycarbonyloxy- 1,4-phenyleneisopropylidene- 1,4-phenylene)	Bisphenol A polycarbonate; poly (4,4'-isopropylidenediphenyl carbonate)	24936-68-3	Poly(oxycarbonyloxy-1,4- phenylene(1-methylethylidene)- 1,4-phenylene)	R	(C <sub>16</sub> H <sub>14</sub> O <sub>3</sub> ) <sub>n</sub>
Poly(oxymethylene)	Poly(formaldehyde); formaldehyde polymer	9002-81-7	Poly(oxymethylene)	R	(CH <sub>2</sub> O) <sub>n</sub>
Poly(oxymethylene), acetate end-capped	Poly(oxymethylene) diacetate	25231-38-3	Poly(oxymethylene), α-acetyl- ω-(acetyloxy)-	R	(CH <sub>2</sub> O) <sub>n</sub> C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>
Poly(oxymethylene- <i>co</i> - 1,3-dioxepane)	Butanediol formal-trioxane copolymer; formaldehyde tetra- methylene acetal-trioxane copolymer; 1,3-dioxepane- trioxane polymer	25214-85-1	1,3-Dioxepane, polymer with 1,3,5-trioxane	R	(C <sub>5</sub> H <sub>10</sub> O <sub>2</sub> · C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> ) <sub>x</sub>
Poly(PAMAM), starburst dendrimer	Starburst 2nd generation	93376-66-0	4,7,11,14,18,21,25,28,32,35- Decaazaoctriacontane- diamide, etc	R	C <sub>142</sub> H <sub>288</sub> N <sub>58</sub> O <sub>28</sub>
Poly(perfluoropropylene oxide- <i>co</i> -perfluoro formaldehyde)		69991-67-9	1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymd.	*	Unk
Poly( <i>n,n'</i> -1,4-phenylene-3,3', 4,4'-benzophenone tetra- carboxylic imid/amic acid	Benzophenonetetracarboxylic dianhydride- <i>p</i> -phenylenediamine polymer. SRU	26023-21-2	Poly((1,3-dihydro-1,3-dioxo- 2H-isoindole-2,5-diyl)carbonyl- (1,3-dihydro-1,3-dioxo-2H- isoindole-5,2-diyl)- 1,4-phenylene)	U	(C <sub>23</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub> ) <sub>n</sub>
Poly( <i>n,n'</i> -1,3-phenylene isophthalamide)	Isophthaloyl chloride- 1,3-phenylenediamine polymer	25765-47-3	1,3-Benzenedicarbonyl dichloride, polymer with 1,3- benzene- diamine	R	(C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> O <sub>2</sub> · C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> ) <sub>x</sub>
Poly( <i>n,n'</i> -1,4-phenylene terephthalamide)	<i>p</i> -Phenylenediamine-terephthaloyl chloride copolymer	26125-61-1	1,4-Benzenedicarbonyl dichloride, polymer with 1,4-benzene- diamine	R	(C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> O <sub>2</sub> · C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> ) <sub>x</sub>
Poly((phenyl glycidyl ether)- <i>co</i> -dicyclopentadiene)		119345-05-0	Phenol, polymer with 3a,4,7,7a- tetrahydro-4,7-methano- 1H-indene, glycidyl ether	*	(C <sub>10</sub> H <sub>12</sub> · C <sub>6</sub> H <sub>6</sub> O) <sub>x</sub>
Poly(phenyl glycidyl ether- <i>co</i> -formaldehyde)		28064-14-4	Phenol, polymer with formal- dehyde, glycidyl ether	R	(C <sub>6</sub> H <sub>6</sub> O · CH <sub>2</sub> O) <sub>x</sub>
Poly(phenyl vinyl ketone)	Poly(acrylophenone)	26742-84-7	2-Propen-1-one, 1-phenyl-, homopolymer	R	(C <sub>9</sub> H <sub>8</sub> O) <sub>x</sub>
Poly(1,4-phenylene diisocyanate- <i>co</i> -poly(1,4-butanediol))		89339-41-3	Poly(oxy-1,4-butanediyl),α-hydro- ω-hydroxy-, polymer with 1,4-diisocyanatobenzene	R	(C <sub>8</sub> H <sub>4</sub> N <sub>2</sub> O <sub>2</sub> · (C <sub>4</sub> H <sub>8</sub> O) <sub>n</sub> H <sub>2</sub> O) <sub>x</sub>
Poly(1,4-phenylene ether ether sulfone)		28212-68-2	Poly(oxy-1,4-phenyleneoxy- 1,4-phenylenesulfonyl- 1,4-phenylene)	R	(C <sub>18</sub> H <sub>12</sub> O <sub>4</sub> S) <sub>n</sub>
Poly(1,4-phenylene ether sulfone)		25667-42-9	Poly(oxy-1,4-phenylenesulfonyl- 1,4-phenylene)	U	(C <sub>12</sub> H <sub>8</sub> O <sub>3</sub> S) <sub>n</sub>
Poly(phenylene oxide)	Poly(phenylene ether)	9041-80-9	Poly(oxyphenylene)	R	(C <sub>6</sub> H <sub>4</sub> O) <sub>n</sub>
Poly(1,4-phenylene sulfide)	<i>p</i> -Dichlorobenzene-sodium sulfide polymer; poly( <i>p</i> -phenylene sulfide)	25212-74-2	Poly(thio-1,4-phenylene)	U	(C <sub>6</sub> H <sub>4</sub> S) <sub>n</sub>
Poly( <i>p</i> -phenylene terephthalamide)	PPTA	24938-64-5	Poly(imino-1,4-phenyleneimino- carbonyl-1,4-phenylene- carbonyl)	U	(C <sub>14</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>n</sub>

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly( $\alpha$ -pinene)		70750-57-1	Terpenes and terpenoids, turpentine-oil, $\alpha$ -pinene fraction, polymd.	S	Unk
Poly(poly(tetrahydrofuran carbonate), diol)		92538-66-4	Carbonic acid, diethyl ester, polymer with $\alpha$ -hydro- $\omega$ -hydroxypoly(oxy-1,4-butanediyl)	R	$(C_5H_{10}O_3 \cdot (C_4H_8O)_n H_2O)_x$
Poly(L-proline)	Polyproline; proline homopolymer	25191-13-3	L-Proline, homopolymer	R	$(C_5H_9NO_2)_x$
Poly(1,3-propylene adipate)	Ethyl acrylate-ethylene-glycidyl methacrylate polymer	35830-43-4	2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethene and ethyl 2-propenoate	R	$(C_7H_{10}O_3 \cdot C_5H_8O_2 \cdot C_2H_4)_x$
Poly(propylene carbonate)	Carbon dioxide-propylene oxide polymer	25511-85-7	Oxirane, methyl-, polymer with carbon dioxide	R	$(C_3H_6O \cdot CO_2)_x$
Poly(1,3-propylene glutarate)	Poly(trimethylene glutarate)	52256-48-1	Pentanedioic acid, polymer with 1,3-propanediol	R	$(C_5H_8O_4 \cdot C_3H_8O_2)_x$
Poly(propylene glycol bis(2-aminopropyl ether))	Poly(oxypropylene)diamine	9046-10-0	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -(2-aminomethylethyl)- $\omega$ -(2-aminomethylethoxy)-	R	$(C_3H_6O)_n C_6H_{16}N_2O$
Poly(propylene glycol)	Oxirane, methyl-, homopolymer; poly(propylene oxide); PPG: propylene glycol-propylene oxide polymer	25322-69-4	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -hydro- $\omega$ -hydroxy-	U	$(C_3H_6O)_n H_2O$
Poly(propylene glycol), 4-nonyl phenol ether acrylate		71926-19-7	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -(1-oxo-2-propenyl)- $\omega$ -(nonylphenoxy)-	R	$(C_3H_6O)_n C_{18}H_{26}O_2$
Poly(propylene glycol), diacrylate		52496-08-9	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -(1-oxo-2-propenyl)- $\omega$ -((1-oxo-2-propenyl)oxy)-	R	$(C_3H_6O)_n C_6H_6O_3$
Poly(propylene glycol), dimethacrylate		25852-49-7	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -((2-methyl-1-oxo-2-propenyl)oxy)-	R	$(C_3H_6O)_n C_8H_{10}O_3$
Poly(propylene glycol), methacrylate		39420-45-6	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -hydroxy-	R	$(C_3H_6O)_n C_4H_6O_2$
Poly(propylene glycol), dibenzoate		72245-46-6	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -benzoyl- $\omega$ -(benzoyloxy)-	R	$(C_3H_6O)_n C_{14}H_{10}O_3$
Poly(propylene glycol), diglycidyl ether		26142-30-3	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -(oxiranylmethyl)- $\omega$ -(oxiranylmethoxy)-	R	$(C_3H_6O)_n C_6H_{10}O_3$
Poly(propylene glycol), monobutyl ether	Butoxypolypropylene glycol; polyoxypropylene monobutyl ether	9003-13-8	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -butyl- $\omega$ -hydroxy-	R	$(C_3H_6O)_n C_4H_{10}O$
Poly(propylene glycol)- <i>co</i> -poly(ethylene glycol)	Ethylene glycol-propylene glycol copolymer; ethylene glycol-propylene oxide copolymer; ethylene oxide-propylene oxide copolymer ethylene glycol ether; methyloxirane-oxirane copolymer	9003-11-6	Oxirane methyl, polymer with oxirane	R	$(C_3H_6O \cdot C_2H_4O)_x$
Poly(propylene glycol)- <i>block</i> -PEG- <i>block</i> -PPG bis(2-aminopropyl ether))	Ethylene oxide-propylene oxide copolymer bis(2-aminopropyl)-ether	65605-36-9	Oxirane, methyl-, polymer with oxirane, bis(2-aminopropyl) ether	R	$(C_3H_9NO)_{1/2} (C_3H_6O \cdot C_2H_4O)_x$
Poly(1,3-propylene succinate)	Poly(trimethylene succinate)	28158-21-6	Butanedioic acid, polymer with 1,3-propanediol	R	$(C_4H_6O_4 \cdot C_3H_8O_2)_x$
Poly(propylene)	Poly(propene); propene polymer	9003-07-0	1-Propene, homopolymer	R	$(C_3H_6)_x$
Poly(propylene), chlorinated		68442-33-1	1-Propene, homopolymer, chlorinated	*	Unk
Poly(propylene), isotactic	Isotactic propylene polymer; polypro	25085-53-4	1-Propene, homopolymer isotactic	R	$(C_3H_6)_x$
Poly(propylene- <i>alt</i> -ethylene, multiarm)		127883-08-3	Benzene, diethenyl-, polymer with 2-methyl-1,3-butadiene, hydrogenated	*	$(C_{10}H_{10} \cdot C_5H_8)_x$
Poly(propylene- <i>co</i> -1-butene)		29160-13-2	1-Butene, polymer with 1-propene	R	$(C_4H_8 \cdot C_3H_6)_x$
Poly(propylene- <i>co</i> -tetrafluoroethylene)	Propene-tetrafluoroethene polymer	27029-05-6	1-Propene, polymer with tetrafluoroethene	R	$(C_3H_6 \cdot C_2F_4)_x$

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Poly(propylene- <i>graft</i> -maleic anhydride)	Maleic anhydride-PN 240 graft copolymer	107001-49-0	2,5-Furandione, polymer with 1-propene, graft	R	$(C_4H_2O_3 \cdot C_3H_6)_x$
Poly(pyromellitic dianhydride- <i>co</i> -4,4'-oxydianiline)	Diaminodiphenyl ether-pyromellitic dianhydride polymer; oxydianiline-pyromellitic dianhydride polymer	25038-81-7	1H, 3H-Benzo(1,2- <i>c</i> :4,5- <i>c'</i> )-difuran-1,3,5,7-tetrone, polymer with 4,4'-oxybis(benzenamine)	R	$(C_{12}H_{12}N_2O \cdot C_{10}H_2O_6)_x$
Poly(sebacic anhydride)	Sebacic acid polyanhydride	26776-29-4	Decanedioic acid, homopolymer	R	$(C_{10}H_{18}O_4)_x$
Poly(L-serine)	Polyserine	25821-52-7	L-Serine, homopolymer	R	$(C_3H_7NO_3)_x$
Poly(sodium 4-styrene sulfonate)	Poly(sodium <i>p</i> -styrenesulfonate); poly(sodium <i>p</i> -vinylbenzenesulfonate)	25704-18-1	Benzenesulfonic acid, 4-ethenyl-, sodium salt, homopolymer	R	$(C_8H_8O_3S \cdot Na)_x$
Poly(styrene)	Poly(1-phenylethylene); poly(vinylbenzene)	9003-53-6	Benzene, ethenyl-, homopolymer	R	$(C_8H_8)_x$
Poly(styrene- <i>alt</i> -maleic acid), sodium salt	Maleic acid anhydride-styrene polymer, sodium salt; 2,5-furandione-styrene copolymer, sodium salt	25736-61-2	2,5-Furandione, polymer with ethenylbenzene, sodium salt	R	$(C_8H_8 \cdot C_4H_2O_3)_x$
Poly(styrene- <i>b</i> -butadiene)	Butadiene-styrene polymer, polybutadiene-polystyrene copolymer, styrene-butadiene polymer	9003-55-8	Benzene, ethenyl-, polymer with 1,3-butadiene	R	$(C_8H_8 \cdot C_4H_6)_x$
Poly(styrene- <i>b</i> -poly(ethylene- <i>ran</i> -butylene)- <i>b</i> -poly(styrene))		66070-58-4	Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated	*	Unk
Poly(styrene- <i>block</i> -poly(oxyethylene))	Ethylene oxide-styrene polymer	25267-79-2	Oxirane, polymer with ethenylbenzene	R	$(C_8H_8 \cdot C_2H_4O)_x$
Poly(styrene- <i>block</i> -polyisoprene- <i>block</i> -polystyrene)	Isoprene-styrene polymer	25038-32-8	Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene	R	$(C_8H_8 \cdot C_5H_8)_x$
Poly(styrene- <i>co</i> -acrylonitrile)	Acrylonitrile-styrene polymer; polystyrene-acrylonitrile; styrene-acrylonitrile polymer	9003-54-7	2-Propenenitrile, polymer with ethenylbenzene	R	$(C_8H_8 \cdot C_3H_3N)_x$
Poly(styrene- <i>co</i> -allyl alcohol)	Allyl alcohol-styrene polymer	25119-62-4	2-Propen-1-ol, polymer with ethenylbenzene	R	$(C_8H_8 \cdot C_3H_6O)_x$
Poly(styrene- <i>co</i> - $\alpha$ -methylstyrene)	Styrene- $\alpha$ -methylstyrene polymer	9011-11-4	Benzene, ethenyl-, polymer with (1-methylethenyl)benzene	R	$(C_9H_{10} \cdot C_8H_8)_x$
Poly(styrene- <i>co</i> -divinylbenzene)		69011-14-9	Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, chloromethylated	*	$(C_{10}H_{12} \cdot C_{10}H_{10} \cdot C_8H_8)_x$
Poly(styrene- <i>co</i> -divinylbenzene), amine functionalized		69011-17-2	Methanamine, <i>N</i> -methyl-, reaction products with chloromethylated divinylbenzene-ethenylethylbenzene-styrene polymer	*	$(C_{10}H_{12} \cdot C_{10}H_{10} \cdot C_8H_8 \cdot C_2H_7N)_x$
Poly(styrene- <i>co</i> -maleic acid), isobutyl/methyl mixed ester		63528-92-7	2-Butenedioic acid ( <i>Z</i> )-, monomethyl ester, polymer with ethenylbenzene, 2,5-furandione and ( <i>Z</i> )-2-methylpropyl hydrogen 2-butenedioate	R	$(C_8H_{12}O_4 \cdot C_8H_8 \cdot C_3H_6O_4 \cdot C_4H_2O_3)_x$
Poly(styrene- <i>co</i> -maleic acid), partial 2-butoxyethyl ester		68890-84-6	2,5-Furandione, polymer with ethenylbenzene, 2-butoxyethyl ester	R	Unk
Poly(styrene- <i>co</i> -maleic acid), partial 2-butoxyethyl ester, cumene terminated		160611-50-7	2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, 2-butoxyethyl ester	R	$C_9H_{12} \cdot (C_8H_8 \cdot C_4H_2O_3)_x \cdot xC_6H_{14}O_2$
Poly(styrene- <i>co</i> -maleic acid), partial cyclohexyl/1-PR ester, cumene terminated		160611-51-8	2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, cyclohexyl 1-methylethyl ester	R	$C_9H_{12} \cdot (C_8H_8 \cdot C_4H_2O_3)_x \cdot xC_6H_{12}O \cdot xC_3H_8O$
Poly(styrene- <i>co</i> -maleic acid), partial cyclohexyl/isopropyl ester		68890-82-4	2,5-Furandione, polymer with ethenylbenzene, cyclohexyl 1-methylethyl ester	R	Unk
Poly(styrene- <i>co</i> -maleic acid), partial isobutyl ester	Hydrogen isobutyl maleate-styrene copolymer	28571-95-1	2-Butenedioic acid ( <i>Z</i> )-, mono (2-methylpropyl) ester, polymer with ethenylbenzene	R	$(C_8H_{12}O_4 \cdot C_8H_8)_x$
Poly(styrene- <i>co</i> -maleic acid), partial isoocetyl ester		68441-87-2	2,5-Furandione, polymer with ethenylbenzene, isoocetyl ester	R	Unk



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Poly(styrene- <i>co</i> -maleic acid), partial propyl ester	Maleic anhydride-styrene polymer, propyl ester	68890-81-3	2,5-Furandione, polymer with ethenylbenzene, propyl ester	R	Unk
Poly(styrene- <i>co</i> -maleic acid), partial propyl ester, cumene terminated		160611-48-3	2,5-Furandione, telomer with ethenylbenzene and (1-methyl ethyl)benzene, propyl ester	R	$C_9H_{12} \cdot (C_8H_8 \cdot C_4H_2O_3)_x \cdot xC_3H_8O$
Poly(styrene- <i>co</i> -maleic acid), <i>sec</i> -butyl/methyl mixed ester		65652-36-0	2-Butenedioic acid (Z)-, monomethyl ester, polymer with ethenylbenzene. 2,5-furandione and (Z)-1-methyl-propyl hydrogen 2-butenedioate	R	$(C_8H_{12}O_4 \cdot C_8H_8 \cdot C_5H_6O_4 \cdot C_4H_2O_3)_x$
Poly(styrene- <i>co</i> -maleic anhydride)	Maleic anhydride-styrene polymers	9011-13-6	2,5-Furandione, polymer with ethenylbenzene	R	$(C_8H_8 \cdot C_4H_2O_3)_x$
Poly(styrene- <i>co</i> -maleic anhydride), cumene terminated		26762-29-8	2,5-Furandione, telomer with ethenylbenzene and (1-methyl-ethyl)benzene	R	$C_9H_{12} \cdot (C_8H_8 \cdot C_4H_2O_3)_x$
Poly(styrene sulfonic acid- <i>co</i> -maleic acid), sodium salt		68037-40-1	2,5-Furandione, polymer with ethenylbenzene, sulfonated, sodium salt	*	$(C_8H_8 \cdot C_4H_2O_3 \cdot Na)_x$
Poly(sulfone)	Bisphenol A-bis(chlorophenyl) sulfone copolymer, SRU	25135-51-7	Poly(oxy-1,4-phenylenesulfonyl-1,4-phenyleneoxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene)	U	$(C_{27}H_{22}O_4S)_n$
Poly( <i>tert</i> -butyl methacrylate)		25189-00-8	2-Propenoic acid, 2-methyl-, 1,1-dimethylethyl ester, homopolymer	R	$(C_8H_{14}O_2)_x$
Poly(tetrafluoroethylene)	Poly(difluoromethylene); fluoro-polymers; perfluoroethylene polymer	9002-84-0	Ethene, tetrafluoro-homopolymer	R	$(C_2F_4)_x$
Poly(tetrahydrofuran)	Poly(butylene oxide); tetrahydrofuran homopolymer. SRU: THF polymer, SRU	25190-06-1	Poly(oxy-1,4-butanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-	R	$(C_4H_8O)_nH_2O$
Poly(tetrahydrofuran), bis(3-aminopropyl) terminated	Polytetramethylene glycol bis(3-aminopropyl) ether	72088-96-1	Poly(oxy-1,4-butanediyl), $\alpha$ -(3-aminopropyl)- $\omega$ -(3-aminopropoxy)-	R	$(C_4H_8O)_n$ $C_6H_{16}N_2O$
Poly(tetrahydrofuran), linear	Oxirane-THF copolymer; polyethylene-poly(tetramethylene) glycol	27637-03-2	Furan, tetrahydro-, polymer with oxirane	R	$(C_4H_8O \cdot C_2H_4O)_x$
Poly(thioisobutylene)	Isobutylene sulfide polymer	26373-01-3	Thirane, 2,2-dimethyl-, homopolymer	R	$(C_4H_8S)_x$
Poly(thio,phenylene)	Poly(phenylene sulfide)	9016-75-5	Poly(thiophenylene)	U	$(C_6H_4S)_x$
Poly( <i>p</i> -toluene sulfonamide- <i>co</i> -formaldehyde)	Formaldehyde- <i>p</i> -toluenesulfonamide polymer	25035-71-6	Benzenesulfonamide, 4-methyl-, polymer with formaldehyde	R	$(C_7H_9NO_2S \cdot CH_2O)_x$
Poly(tolylene 2,4-diisocyanate)	2,4-Toluene diisocyanate polymer	26006-20-2	Benzene, 2,4-diisocyanato-1-methyl- homopolymer	R	$(C_9H_6N_2O_2)_x$
Poly(tolylene 2,4-diisocyanate- <i>co</i> -poly(1,4-butanediol))	Poly(tetramethylene ether glycol)-TDI copolymer; polytetramethylene glycol-tolylene isocyanate polymer	9069-50-5	Poly(oxy-1,4-butanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-, polymer with 1,3-diisocyanatomethylbenzene	R	$(C_9H_6N_2O_2 \cdot (C_4H_8O)_nH_2O)_x$
Poly(tolylene 2,4-diisocyanate- <i>co</i> -poly(propylene glycol))	Polyoxypropylene glycol-tolylene diisocyanate polymer; polypropylene glycol-TDI polymer	9057-91-4	Poly(oxy(methyl-1,2-ethanediyl)), $\alpha$ -hydro- $\omega$ -hydroxy-, polymer with 1,3-diisocyanatomethylbenzene	R	$(C_9H_6N_2O_2 \cdot (C_3H_6O)_nH_2O)_x$
Poly(trimethylolpropane/di(propylene glycol)- <i>alt</i> -adipic acid/phthalic anhydride))		68133-07-3	Hexanedioic acid, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,3-isobenzofurandione and 1,1'-oxybis-(2-propanol)	R	$(C_8H_4O_3 \cdot C_6H_{14}O_3 \cdot C_6H_{14}O_3 \cdot C_6H_{10}O_4)_x$
Poly(L-tyrosine)	Polytyrosine	25619-78-7	L-Tyrosine, homopolymer	R	$(C_9H_{11}NO_3)_x$
Poly(L-tyrosine hydrobromide)		27378-49-0	L-Tyrosine, homopolymer, hydrobromide	R	$(C_5H_{12}N_2O_2)_x \cdot xBrH$
Poly(urea- <i>co</i> -formaldehyde), butylated		68002-19-7	Urea, polymer with formaldehyde, butylated	*	Unk
Poly(urea- <i>co</i> -formaldehyde), methylated		68071-45-4	Urea, polymer with formaldehyde, methylated	*	$(CH_4N_2O \cdot CH_2O)_x$

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Poly(vinyl acetate)	Poly(1-acetoxyethylene): PVAC	9003-20-7	Acetic acid ethenyl ester, homopolymer	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(vinyl acetate-co-butyl maleate-co-isobornyl acrylate)		136392-68-2	2-Butenedioic acid (Z)-, dibutyl ester, polymer with ethenyl acetate and exo-1,7,7-trimethyl-bicyclo(2.2.1)hept-2-yl 2-propenoate	R	(C <sub>13</sub> H <sub>20</sub> O <sub>2</sub> · C <sub>12</sub> H <sub>20</sub> O <sub>4</sub> · C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(vinyl acetate-co-crotonic acid)	Crotonic acid-vinyl acetate polymer	25609-89-6	2-Butenoic acid, polymer with ethenyl acetate	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(vinyl alcohol)	Poly(1-hydroxyethylene): gohsenal; lemol; polyvinol; polyviol	9002-89-5	Ethenol, homopolymer	R	(C <sub>2</sub> H <sub>4</sub> O) <sub>x</sub>
Poly(vinyl alcohol-co-ethylene)	Ethylene-vinyl alcohol polymer	25067-34-9	Ethenol, polymer with ethene	R	(C <sub>2</sub> H <sub>4</sub> O · C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Poly(vinyl alcohol-co-vinyl acetate)	Vinyl alcohol-vinyl acetate polymer	25213-24-5	Acetic acid ethenyl ester, polymer with ethenol	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> O) <sub>x</sub>
Poly(4-vinyl biphenyl)		25232-08-0	1,1'-Biphenyl, 4-ethenyl-homopolymer	R	(C <sub>14</sub> H <sub>12</sub> ) <sub>x</sub>
Poly(vinyl bromide)	Bromoethylene polymer	25951-54-6	Ethene, bromo-, homopolymer	R	(C <sub>2</sub> H <sub>3</sub> Br) <sub>x</sub>
Poly(vinyl butyral)		63148-65-2	Vinyl acetal polymers, butyrals	S	Unk
Poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate)		27360-07-2	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy)butane and ethenol	R	(C <sub>8</sub> H <sub>14</sub> O <sub>2</sub> · C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> O) <sub>x</sub>
Poly(vinyl butyrate)		24991-31-9	Butanoic acid, ethenyl ester, homopolymer	R	(C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(vinyl chloride)	Poly(1-chloroethylene)	9002-86-2	Ethane, chloro-homopolymer	R	(C <sub>2</sub> H <sub>3</sub> Cl) <sub>x</sub>
Poly(vinyl chloride-co-vinyl acetate)	Vinyl chloride-vinyl acetate polymer	9003-22-9	Acetic acid ethenyl ester, polymer with chloroethene	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>3</sub> Cl) <sub>x</sub>
Poly(vinyl chloride-co-vinyl acetate-co-2-hydroxypropyl acrylate)		41618-91-1	2-Propenoic acid, 2-hydroxypropyl ester, polymer with chloroethene and ethenyl acetate	R	(C <sub>6</sub> H <sub>10</sub> O <sub>3</sub> · C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>3</sub> Cl) <sub>x</sub>
Poly(vinyl chloride-co-vinyl acetate-co-maleic acid)	Maleic acid-vinyl acetate-vinyl; vinyl acetate-vinyl chloride-maleic acid polymer	9005-09-8	2-Butenedioic acid (Z)-, 2-Butenedioic acid (Z)-	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> · C <sub>2</sub> H <sub>3</sub> Cl) <sub>x</sub>
Poly(vinyl chloride-co-vinyl acetate-vinyl alcohol)	Vinyl acetate-vinyl alcohol-vinyl chloride polymer; vinyl chloride-vinyl acetate-vinyl alcohol copolymer	25086-48-0	Acetic acid ethenyl ester, polymer with chloroethene and ethenol	R	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> · C <sub>2</sub> H <sub>4</sub> O · C <sub>2</sub> H <sub>3</sub> Cl) <sub>x</sub>
Poly(vinyl cinnamate)		24968-99-8	2-Propenoic acid, 3-phenyl-, ethenyl ester, homopolymer	R	(C <sub>11</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(vinyl ethyl ether)	Poly(ethyl vinyl ether)	25104-37-4	Ethene, ethoxy-, homopolymer	R	(C <sub>4</sub> H <sub>8</sub> O) <sub>x</sub>
Poly(vinyl fluoride)	Monofluoroethylene polymer	24981-14-4	Ethene, fluoro-, homopolymer	R	(C <sub>2</sub> H <sub>3</sub> F) <sub>x</sub>
Poly(vinyl formal)	Poly(divinyl formal)	9003-33-2	1,1'-(methylenebis(oxy))bis-, homopolymer	R	(C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(N-vinyl-methylacetamide)	Poly(N-methyl-N-vinylacetamide)	26616-03-5	Acetamide, N-ethenyl-N-methyl-, homopolymer	R	(C <sub>5</sub> H <sub>9</sub> NO) <sub>x</sub>
Poly(vinyl methyl ether)	Methyl vinyl ether homopolymer	9003-09-2	Ethene methoxy, homopolymer	R	(C <sub>3</sub> H <sub>6</sub> O) <sub>x</sub>
Poly(vinyl methyl ketone)	Methyl vinyl ketone polymer	25038-87-3	3-Buten-2-one, homopolymer	R	(C <sub>4</sub> H <sub>6</sub> O) <sub>x</sub>
Poly(2-vinyl naphthalene)		28406-56-6	Naphthalene, 2-ethenyl-, homopolymer	R	(C <sub>12</sub> H <sub>10</sub> ) <sub>x</sub>
Poly(vinyl n-octodecylcarbamate)		36671-85-9	Carbamic acid, octadecyl-, ethenyl ester, homopolymer	R	(C <sub>21</sub> H <sub>41</sub> NO <sub>2</sub> ) <sub>x</sub>
Poly(4-vinyl phenol)	p-Vinylphenol polymer; p-vinylphenol polymer	24979-70-2	Phenol, 4-ethenyl-, homopolymer	R	(C <sub>8</sub> H <sub>8</sub> O) <sub>x</sub>
Poly(vinyl propionate)	Vinyl propionate polymer	25035-84-1	Propanoic acid, ethenyl ester, homopolymer	R	(C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>x</sub>
Poly(2-vinyl pyridine)	2-Vinylpyridine polymer	25014-15-7	Pyridine, 2-ethenyl-, homopolymer	R	(C <sub>7</sub> H <sub>7</sub> N) <sub>x</sub>
Poly(2-vinyl pyridine-co-styrene)	2-Vinylpyridine-styrene polymer	24980-54-9	Pyridine, 2-ethenyl-, polymer with styrene	R	(C <sub>8</sub> H <sub>8</sub> · C <sub>7</sub> H <sub>7</sub> N) <sub>x</sub>
Poly(vinyl pyrrolidone)	Poly(n-pyrrolidinylethylene); poly(vinylpyrrolidone); vinylpyrrolidone polymer	9003-39-8	2-Pyrrolidinone, 1-ethenyl-, homopolymer	R	(C <sub>6</sub> H <sub>9</sub> NO) <sub>x</sub>
Poly(vinyl pyrrolidone), iodine complex		25655-41-8	2-Pyrrolidinone, 1-ethenyl-, homopolymer, compd. with iodine	R	(C <sub>6</sub> H <sub>9</sub> NO) <sub>x</sub> · I <sub>2</sub>

Common name	Synonyms	CAS Registry No.	CA name	Search method	Molecular formula
Poly(1-vinyl pyrrolidone-co-acrylic acid)	Acrylic acid-vinylpyrrolidone polymer	28062-44-4	2-Propenoic acid, polymer with 1-ethenyl-2-pyrrolidinone	R	$(C_6H_9NO \cdot C_3H_4O_2)_x$
Poly(1-vinyl pyrrolidone-co-2-dimethylamino-ethyl methacrylate)		30581-59-0	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone	R	$(C_8H_{15}NO_2 \cdot C_6H_9NO)_x$
Poly(1-vinyl pyrrolidone-co-styrene)	Styrene-N-vinylpyrrolidone polymer; vinylpyrrolidinone-styrene polymer	25086-29-7	2-Pyrrolidinone, 1-ethenyl-, polymer with ethenylbenzene	R	$(C_8H_8 \cdot C_6H_9NO)_x$
Poly(1-vinyl pyrrolidone-co-vinyl acetate)	N-Vinyl-2-pyrrolidone-vinyl acetate copolymer; poly(vinyl acetate-vinylpyrrolidinone); vinyl acetate-vinylpyrrolidone copolymer	25086-89-9	Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone	R	$(C_6H_9NO \cdot C_4H_6O_2)_x$
Poly(1-vinyl pyrrolidone- $\gamma$ -(1-triacontene))		136445-69-7	Alkenes, C > 10 $\alpha$ -, polymers with vinylpyrrolidone	S	Unk
Poly(1-vinyl pyrrolidone- $\gamma$ -1-hexadecene)		63231-81-2	2-Pyrrolidinone, 1-ethenyl-hexadecyl-, homopolymer	R	$(C_{22}H_{41}NO)_x$
Poly(vinyl stearate)	Vinyl stearate polymer	9003-95-6	Octadecanoic acid, ethenyl ester, homopolymer	R	$(C_{20}H_{38}O_2)_x$
Poly(vinyl sulfate), potassium salt		26182-60-5	Sulfuric acid, monoethenyl ester, potassium salt, homopolymer	R	$(C_2H_4O_4S \cdot K)_x$
Poly(vinyl sulfonic acid), sodium salt	Ethensulfonic acid polymer sodium salt; ethensulfonic acid polymer sodium salt	25053-27-4	Ethensulfonic acid, homopolymer, sodium salt	R	$(C_2H_4O_3S)_x \cdot xNa$
Poly(vinyl toluene)	Poly(methylstyrene); vinyltoluene polymer	9017-21-4	Benzene, ethenylmethyl-homopolymer	R	$(C_9H_{10})_x$
Poly(vinyl toluene-co-alpha-methylstyrene)	$\alpha$ -Methylstyrene-vinyltoluene polymer	9017-27-0	Benzene, ethenylmethyl-, polymer with (1-methylethenyl)benzene	R	$(C_9H_{10} \cdot C_9H_{10})_x$
Poly(vinylcarbazole); Poly(9-vinyl carbazole)	Poly(n-carbazolyethylene); poly(N-vinylcarbazole)	25067-59-8	9H-Carbazole, 9-ethenyl-, homopolymer	R	$(C_{14}H_{11}N)_x$
Poly(vinylcyclohexane)		25498-06-0	Cyclohexane, ethenyl-, homopolymer	R	$(C_8H_{14})_x$
Poly(vinylferrocene)		34801-99-5	Ferrocene, ethenyl-, homopolymer	R	$(C_{12}H_{12}Fe)_x$
Poly(vinylidene chloride)	Poly(1,1-dichloroethylene)	9002-85-1	Ethene, 1,1-dichloro-, homopolymer	R	$(C_2H_2Cl_2)_x$
Poly(vinylidene chloride-co-acrylonitrile)	Acrylonitrile-vinylidene chloride polymer	9010-76-8	2-Propenenitrile, polymer with 1,1-dichloroethene	R	$(C_3H_3N \cdot C_2H_2Cl_2)_x$
Poly(vinylidene chloride-co-methyl acrylate)	Methyl acrylate-vinylidene chloride polymer	25038-72-6	2-Propenoic acid, methyl ester, polymer with 1,1-dichloro ethene	R	$(C_4H_6O_2 \cdot C_2H_2Cl_2)_x$
Poly(vinylidene chloride-co-vinyl chloride)	Vinyl chloride-vinylidene chloride polymer	9011-06-7	Ethene, 1,1-dichloro-, polymer with chloroethylene	R	$(C_2H_3Cl \cdot C_2H_2Cl_2)_x$
Poly(vinylidene fluoride)	Poly(1,1-difluoroethylene); PVDF	24937-79-9	Ethene, 1,1-difluoro-, homopolymer	R	$(C_2H_2F_2)_x$
Poly(vinylidene fluoride-co-hexafluoropropylene)	Hexafluoropropene-vinylidene fluoride polymer	9011-17-0	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene	R	$(C_3F_6 \cdot C_2H_2F_2)_x$
Poly(vinylidene fluoride-co-hexafluoropropylene-co-tetrafluoroethylene)	Hexafluoropropene-tetrafluoroethylene-vinylidene fluoride polymer; vinylidene fluoride-tetrafluoroethylene-perfluoropropylene copolymer	25190-89-0	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene	R	$(C_3F_6 \cdot C_2H_2F_2 \cdot C_2F_4)_x$
Poly(vinylidene fluoride-co-tetrafluoroethylene-co-propylene)	Propene-tetrafluoroethylene-vinylidene fluoride copolymer	54675-89-7	1-Propene, polymer with 1,1-difluoroethene and tetrafluoroethene	R	$(C_3H_6 \cdot C_2H_2F_2 \cdot C_2F_4)_x$
Poly(vinylisobutyl ether)	Isobutyl vinyl ether polymer	9003-44-5	Propane, 1-(ethenyl-2-methyl-, homopolymer	R	$(C_6H_{12}O)_x$
Poly(4-vinyl pyridine)	4-Vinylpyridine homopolymer	25232-41-1	Pyridine, 4-ethenyl-, homopolymer	R	$(C_7H_7N)_x$
Poly(4-vinyl pyridine-co-butyl methacrylate)	Butyl methacrylate-4-vinylpyridine polymer	53761-76-5	2-Propenoic acid, 2-methyl-, butyl ester, polymer with 4-ethenylpyridine	R	$(C_8H_{14}O_2 \cdot C_7H_7N)_x$
Poly(4-vinyl pyridine-co-styrene)		26222-40-2	Pyridine, 4-ethenyl-, polymer with ethenylbenzene	R	$(C_8H_8 \cdot C_7H_7N)_x$
Poly(4-vinyl pyridine hydrochloride), crosslinked		29323-87-3	Pyridine, 4-ethenyl-, hydrochloride, homopolymer	R	$(C_7H_7N \cdot ClH)_x$
Poly(4-vinyl pyridine), crosslinked	Divinylbenzene-4-vinylpyridine polymer	9017-40-7	Pyridine, 4-ethenyl-, polymer with diethenylbenzene	R	$(C_{10}H_{10} \cdot C_7H_7N)_x$

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Poly(4-vinyl pyridinium dichromate)		82246-45-5	Chromic acid (H <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> ), salt with diethenylbenzene polymer with 4-ethenylpyridine	R	(C <sub>10</sub> H <sub>10</sub> ·C <sub>7</sub> H <sub>7</sub> N) <sub>x</sub> ·xCr <sub>2</sub> H <sub>2</sub> O <sub>7</sub>
Poly(4-vinyl pyridinium tribromide)		91650-35-0	Hydrogen tribromide, compd. with 4-ethenylpyridine (1:1), homopolymer	R	(C <sub>7</sub> H <sub>7</sub> N·Br <sub>3</sub> H) <sub>x</sub>
Poly( <i>p</i> -xylylene)		25951-90-0	Benzene, 1,4-dimethyl-, homopolymer	R	(C <sub>8</sub> H <sub>10</sub> ) <sub>x</sub>
Rosin, ester with glycerol		8050-31-5	Resin acids and rosin acids, esters with glycerol	S*	Unk
Rosin, ester with pentaerythritol		8050-26-8	Resin acids and rosin acids, esters with pentaerythritol	S*	Unk
Rubber, chlorinated		9006-03-5	Rubber, chlorinated	R	Unk
Safflower seed oil		8001-23-8	Safflower oil	S*	Unk
Silicone oil	Methyl phenyl silicones	63148-58-3	Siloxanes and Silicones, Me Ph	S	Unk
Soybean oil	Fats and glyceridic oils	8001-22-7	Soybean oil	S*	Unk
Starch	Arrowroot starch; potato starch; rice starch; tapioca starch	9005-25-8	Starch	R	Unk
Starch, soluble		9005-84-9	Amylodextrin	R	Unk
Starch- <i>graft</i> -poly(acrylic acid), sodium salt	Acrylic acid-starch polymer sodium salt	60323-79-7	Starch, polymer with 2-propenoic acid, sodium salt	R	(C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> ·Unk) <sub>x</sub> ·xNa
Tri- <i>o</i> -benzyl cellulose		91104-69-7	Cellulose, tris(phenylmethyl) ether	R	(C <sub>7</sub> H <sub>8</sub> O) <sub>1/3</sub> ; Unk
Tung oil	Fats and glyceridic oils	8001-20-5	Tung oil	S*	Unk
Zein		9010-66-6	Zeins	S*	Unk