

SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: **Fuser Lubricant**
 Datasheet Number: 4-0112 1. 0. 0
 Product Part Number: 008R90163, 008R90355, 008R00882, 008R02944, 008R02945, 008R02955,
 008R03903, 008R12938, 008R12939
 Chemical Name: Polydimethylsiloxane

1.2 Relevant identified uses of the substance or mixture and uses advised against

Component of reprographic, printing, or marking applications

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Xerox Ltd.
 Address of Supplier: Xerox Environment, Health & Safety
 Bessemer Road
 Welwyn Garden City
 Herts. AL7 1BU
 UK
 Telephone: ++44 (0)1707 353434
 Fax: ++44 (0)1707 353914
 Responsible Person: Manager, Environment, Health and Safety
 Email: ehs-europe@xerox.com

1.4 Emergency telephone number

Not applicable

2 Hazards identification

2.1 Classification of the substance or mixture

- Not classified as hazardous for supply

2.2 Label elements

- None

2.3 Other hazards

- None

3 Composition/information on ingredients

3.1 Substances

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases	Symbols
Polydimethylsiloxane	85-95%	63148-62-9	-	None	None
Mercapto-functional polydimethylsiloxane	5-15%	108775-26-4/67923-16-4	-	None	None

4 First aid measures

4.1 Description of first aid measures

- Remove patient to fresh air
- Give 200-300mls (half pint) water to drink
- If substance has got into eyes, immediately wash out with plenty of water

4.2 Most important symptoms and effects, both acute and delayed

- May cause gastro-intestinal disturbances

4.3 Indication of immediate medical attention and special treatment needed

- None

5 Fire-fighting measures

- 5.1 Extinguishing media
 - In case of fire: use water, alcohol resistant foam or dry agent for extinction
 - 5.2 Special hazards arising from the substance or mixture
 - No hazard expected under normal conditions of use
 - 5.3 Advice for firefighters
 - No information available
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6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 - No special precautions are required for this product
 - 6.2 Environmental Precautions
 - No special precautions are required for this product
 - 6.3 Methods and material for containment and cleaning up
 - Soak up spills rapidly on to a cloth or paper towels
 - Clean carpets with solvent and/or shampoo
 - 6.4 Reference to other sections
 - None
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7 Handling and storage

- 7.1 Precautions for safe handling
 - Avoid transfer to eyes
 - Wash hands after handling
 - 7.2 Conditions for safe storage, including any incompatibilities
 - No special precautions are required for this product
 - Does not decompose with age but tends to increase in viscosity during ambient storage. This does not affect the performance as a fuser agent
 - 7.3 Specific end use(s)
 - Printing
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8 Exposure controls/personal protection

- 8.1 Control parameters
 - None assigned
 - 8.2 Exposure controls
 - No special precautions are required for this product
- Occupational exposure controls
- No special precautions are required for this product
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9 Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
 - Appearance: Colourless oil
 - Odour: Slight odour
 - Boiling point: >230°C
 - Vapour pressure >0.7kPa at 20 deg C
 - Vapour density (air = 1): >1
 - Melting point - not applicable
 - Water solubility <1 g/l
 - Specific gravity 0.98 g/cm³
 - Not flammable, Flash point >285° C (OC), Flash point >93° C (CC)
 - Evaporation rate <1 l/hr
 - Viscosity below 13000 centipoise at 25 deg C
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9 Physical and chemical properties (....)

9 .2 Other information

- None
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10 Stability and reactivity

10 .1 Reactivity

- No hazardous reactions known if used for its intended purpose

10 .2 Chemical stability

- Stable

10 .3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10 .4 Conditions to avoid

- Conditions to avoid: Open flames and high temperatures

10 .5 Incompatible materials

- Incompatibility with other materials: Avoid contact with strong oxidising agents

10 .6 Hazardous Decomposition Products

- Decomposition products may include silicon dioxide, carbon dioxide, traces of incompletely burned carbon products and formaldehyde
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11 Toxicological information

11 .1 Information on toxicological effects

- Please also see Section 16
- Tests on other silicone fuser agents indicate:

Inhalation

- LC50 (inhalation, rat) 1.1 g/m³, no evidence of acute inhalation toxicity
- No toxic response during 90 day subchronic inhalation toxicity study; no observable effect level = 0.45 g/m³

Contact with skin

- LD50 (skin, rabbit) >3 g/kg, no evidence of acute dermal toxicity
- No evidence of skin irritation or sensitisation in human patch test

Contact with eyes

- Non irritating to eyes
- Eye contact may cause temporary discomfort

Ingestion

- LD50 (ingestion, estimated) >5 g/kg

Carcinogenicity

- Not classified as a carcinogen

Teratogenicity

- No evidence of reproductive effects

Mutagenicity

- No evidence of mutagenic effects
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12 Ecological information

12 .1 Toxicity

- On available data, substance is not harmful to aquatic life

12 .2 Persistence and degradability

- No information available
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12 Ecological information (....)

12 .3 Bioaccumulation Potential

- No information available

12 .4 Mobility in soil

- Insoluble in water

12 .5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12 .6 Other Adverse Effects

- Presents little or no hazard to the environment
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13 Disposal considerations

13 .1 Waste treatment methods

- No special precautions are required for this product

Classification

- European Waste Code: 06 08 99
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14 Transport information

14 .5 Environmental hazards

- On available data, substance is not harmful to the environment

14 .6 Special precautions for user

- Not classified as hazardous for transport

14 .7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable
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15 Regulatory information

15 .1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Not classified as hazardous for supply

15 .2 Chemical Safety Assessment

Not applicable

16 Other information

Comprehensive tests on laboratory animals have demonstrated that silicones, as a class, are very low in toxicity and present no significant handling problem. In acute oral feeding tests, it has not been possible to feed test animals enough of the silicone fluids tested to establish an LD50 (dosage required to kill 50% of the test animals). It has been established that about 3 litres could be fed to a 70kg man during a brief period without inducing toxic effects.