

1. Identification

Product identifier Fuser Oil for IBM 2770, 3900, Infoprint 70, 3000, 4000, 4100

Other means of identification

Product code 1372459, 1372463, 69G7313, 69G7314

Synonyms Company Chemical No.: 930148440

Recommended use Fuser cleaning system for InfoPrint printers

Recommended restrictions None known.

Manufacturer / Importer / Supplier / Distributor information

Company name Ricoh Company Ltd.
Address 6300 Diagonal Highway
 Boulder, Colorado 80301-9270
 U.S.A.

Telephone 1-866-213-4250

Website www.infoprint.com

E-mail msdsinfo@infoprint.com

Emergency phone number 1-760-476-3961; Access: 333114

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Hazardous to the aquatic environment, acute Category 2 hazard

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Toxic to aquatic life.

Precautionary statement

Prevention Observe good industrial hygiene practices. Avoid release to the environment.

Response Get medical advice/attention if you feel unwell.

Storage Store away from incompatible materials.

Disposal Dispose of contents in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Dimethylpolysiloxane	63148-62-9	100

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact Wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion If swallowed, rinse mouth with water (only if the person is conscious). Drink a few glasses of water or milk. Seek medical attention.

Most important symptoms/effects, acute and delayed	Not available.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Extinguish with carbon dioxide or dry powder.
Unsuitable extinguishing media	Addition of water or foam to the fire may cause frothing.
Specific hazards arising from the chemical	The product is not flammable. However: Fire will generate toxic and irritating gases. Carbon oxides. Silicon oxides. Formaldehyde.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Containers close to fire should be removed or cooled with water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	In case of spills, beware of slippery floors and surfaces. Wear protective clothing as described in Section 8 of this safety data sheet.
Methods and materials for containment and cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Collect and dispose of spillage as indicated in section 13 of the SDS. Inform authorities if large amounts are involved.
Environmental precautions	Avoid discharge into water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Avoid inhalation of vapors and contact with skin and eyes. Use with adequate ventilation. Wear necessary protective equipment. Use personal protection as recommended in Section 8 of the SDS. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in closed original container in a dry place. Keep away from heat, sparks and open flame. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Provide adequate ventilation if fumes or vapors are generated. This product may be capable of releasing formaldehyde if heated beyond the operating temperatures of the printer.
Individual protection measures, such as personal protective equipment	
Eye/face protection	If significant eye exposure is anticipated, the use of chemical safety goggles is recommended.
Skin protection	
Hand protection	If significant skin exposure is anticipated, appropriate gloves should be worn to prevent skin contact with this substance.
Other	If prolonged or repeated contact is likely, chemical resistant clothing is recommended.
Respiratory protection	In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with combination filter (gas filter/dust filter).
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Clear, colorless.
Odor	Odorless.
Odor threshold	Not applicable
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.

Flash point	572.0 °F (300.0 °C) Open Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.97 @ (25°C)
Solubility(ies)	
Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal temperature conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	High temperatures. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Exposure to air over extended period of time at 150°C or greater can cause the formation of formaldehyde which is a known carcinogen.

11. Toxicological information

Information on likely routes of exposure

Ingestion	No harmful effects expected in amounts likely to be ingested by accident.
Inhalation	Vapors and mist may irritate throat and respiratory system and cause coughing.
Skin contact	Not known to Ricoh Production Print Solutions Company as a dermal irritant or dermal sensitizer.
Eye contact	Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics Exposed individuals may experience eye tearing, redness, and discomfort. Vapors and spray mist may irritate throat and respiratory system and cause coughing. Exposed individuals may experience eye tearing, redness, and discomfort.

Information on toxicological effects

Acute toxicity	Health injuries are not known or expected under normal use.
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	May cause temporary eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	No data available.
Skin sensitization	Not known to Ricoh Production Print Solutions Company as a dermal irritant or dermal sensitizer.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not classified.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	No data available.
Chronic effects	No data available.
Further information	No other specific acute or chronic health impact noted.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Dimethylpolysiloxane (CAS 63148-62-9)		
Aquatic		
Fish	LC50 Channel catfish (<i>Ictalurus punctatus</i>)	2.36 - 4.15 mg/l, 96 hours
Persistence and degradability	The product is not expected to be readily biodegradable.	
Bioaccumulative potential	No data available.	
Mobility in soil	No data available.	
Mobility in general	The product is insoluble in water.	
Other adverse effects	No data available.	

13. Disposal considerations

Disposal instructions	Do not discharge into drains or the environment, please contact your local municipality / waste handler for disposal requirements.
Hazardous waste code	Not regulated.
Waste from residues / unused products	Dispose in accordance with all applicable regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is not hazardous according to OSHA 29CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

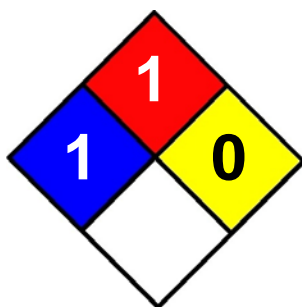
16. Other information, including date of preparation or last revision

Issue date 31-March-2014

Revision date -

Version # 01

NFPA Ratings



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