

Safety Data Sheet

SDS # : D-4007

Manometer Fluid

Issuing Date 2008-01-08

Revision Date 2018-06-22

Version 1

Active

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name

Manometer Fluid for Xerox Products

Part no.

058E00230, 058E00240

Color

Yellow

Pure substance/mixture

Mixture

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

Recommended Use

Gauge fluid

Details of the supplier of the safety data sheet

Supplier

Xerox Corporation
Webster, NY 14580

Xerox Canada LTD.
5650 Yonge Street
North York, Ontario M2M4G7

For further information, please contact

Contact person

Manager, Environment, Health, Safety & Sustainability

E-mail address

askxerox@xerox.com

Emergency telephone

Safety Information US: (800) 275-9376
Chemical Emergency only (Chemtrec) (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified

Label elements

Symbol(s)

None required

Signal Word

None

Hazard Statements

None required

Precautionary Statements

None required

Other hazards

No hazard expected under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Water	7732-18-5	45-50	--	--
Ethylene glycol	107-21-1	45-50	Acute Tox. 4	H302

Full text of H- statements: see section 16

4. FIRST AID MEASURES

Description of first-aid measures

General advice	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids
Skin contact	Wash skin with soap and water
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water, Induce vomiting, but only if victim is fully conscious

Most important symptoms and effects, both acute and delayed

Acute toxicity	
Eyes	May cause mild irritation
Skin	Prolonged or repeated contact may dry skin and cause irritation
Inhalation	No known effect
Ingestion	No known effect

Main symptoms	May cause central nervous system depression
Aggravated Medical Conditions	None under normal use conditions

Indication of immediate medical attention and special treatment needed

Protection of first-aiders	No special protective equipment required
Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	Dry chemical, CO ₂ , or water spray, Alcohol-resistant foam
Unsuitable extinguishing media	No information available

Special hazards arising from the substance or mixture

Hazardous combustion products	Carbon monoxide, Carbon dioxide (CO ₂)
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Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit

Other information

Flash point	111 °C	/	232 °F
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

None required for material as supplied

Environmental precautions

No special environmental precautions required

Methods and material for containment and cleaning up

Methods for containment Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13)

Methods for cleaning up Soak up with inert absorbent material

Reference to other sections

See section 12 for additional ecological information

See Section 13 for additional information

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling When using, do not eat, drink or smoke
For personal protection see section 8

Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions Store in a cool/low-temperature, well-ventilated, dry place away from heat and ignition sources

Incompatible products Strong acids, Strong oxidizing agents

Specific end uses

Gauge fluid

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL
Ethylene glycol	STEL 50 ppm STEL 10 mg/m ³ TWA: 25 ppm	

Exposure controls

Engineering measures Ensure adequate ventilation, especially in confined areas

Individual protection measures, such as personal protective equipment (PPE)

Eye/Face protection No special protective equipment required

Hand protection No special protective equipment required

Respiratory protection No special protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid contained in molded tubing	Odor	Characteristic
Physical state	Liquid	Odor threshold	No information available
Color	Yellow	pH	Not determined
Flash point	111 °C / 232 °F		

Boiling point/range	197.4 °C / >387 °F
Softening point	Not applicable
Evaporation rate	Slower than water
Volatility	Negligible
Flammability Limits in Air	Upper >5% Lower >3.2%
Vapor pressure	20 mmHg @ ~47 2 °C
Vapor density	Not determined
Specific gravity	~ 1.1 @ 25 °C
Water solubility	Completely soluble
Partition coefficient	No information available
Autoignition temperature	398 °C / >748 °F
Decomposition temperature	Not determined
Viscosity	No information available
Explosive properties	Not explosive
Oxidizing properties	Not applicable

Other information

Values listed are for solvent (ethylene glycol)

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

Hazardous reactions	None under normal processing
Hazardous polymerization	Hazardous polymerization does not occur

Conditions to avoid

Excessive heat

Incompatible Materials

Strong acids, Strong oxidizing agents

Hazardous decomposition products

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product Information

No product level data available

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Ethylene glycol	4700 mg/kg (Rat)	9530 µL/kg (Rabbit) 10600 mg/kg (Rat)	2.5 mg/L (Rat)

Chronic toxicity

Sensitization	Not a sensitizer
Neurological Effects	No information available
Target organ effects	No information available

CMR Effects

Mutagenic effects	No information available
Reproductive toxicity	No information available
Carcinogenicity	Contains no ingredient listed as a carcinogen

Other toxic effects

Aspiration Hazard	Not applicable
Other adverse effects	Mild eye irritation

12. ECOLOGICAL INFORMATION

Toxicity

Acute Aquatic Toxicity	On available data, substance is not harmful to aquatic life.
Chronic Aquatic Toxicity	On available data, substance is not harmful to aquatic life.

Component Information

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Ethylene glycol	6500 - 13000 mg/L EC50 96 h (Pseudokirchneriella subcapitata)	LC50= 41000 mg/L Oncorhynchus mykiss 96 h LC50 14 - 18 mL/L Oncorhynchus mykiss 96 h LC50= 27540 mg/L Lepomis macrochirus 96 h LC50 40000 - 60000 mg/L Pimephales promelas 96 h LC50= 40761 mg/L Oncorhynchus mykiss 96 h LC50= 16000 mg/L Poecilia reticulata 96 h		EC50 = 46300 mg/L 48 h

Persistence and degradability

Not readily biodegradable

Bioaccumulative potential

Bioaccumulation is unlikely

Mobility in soil

Insoluble in water

Component Information

Chemical Name	log Pow
Ethylene glycol	-1.93

Other adverse effects

Presents little or no hazard to the environment

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or
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if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging

No special precautions are needed in handling this material

14. TRANSPORT INFORMATION

This material is not subject to regulation as a hazardous material for shipping

15. REGULATORY INFORMATION
Safety, health and environmental regulations/legislation specific for the substance or mixture
OSHA Regulatory Status

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Canada

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

International Inventories
TSCA

Complies

DSL/NDSL

Complies

U.S. Federal Regulations
SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS No.	SARA 313 - Threshold Values %
Ethylene glycol	107-21-1	1.0

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS No.	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Ethylene glycol	107-21-1	45-50	Present	Group I		

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Ethylene glycol	5000 lb	

US State Regulations
California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS No.	California Prop. 65
Ethylene glycol	107-21-1	Developmental

U.S. State Right-to-Know Regulations

This product is subject to U.S. State Right-to-know regulations as noted below.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethylene glycol	X	X	X	X	

16. OTHER INFORMATION

Issuing Date 2008-01-08
Revision Date 2018-06-22
Revision Note Out-of-date for Canada
Full text of H-Statements referred to under sections 2 and 3
H302 - Harmful if swallowed

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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