



Material Safety Data Sheet

Revision Date 15-Oct-2007

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code QL6040
Product name DF 5000
Recommended Use Sewer and Drain Maintenance

Supplier The JI Holcomb Company
600 Corporate Woods Parkway
Vernon Hills, IL 60061

(847) 955-1501

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Mild eye irritation.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Ingestion. Skin. Eyes.

Potential health effects

Eyes Irritation.

Skin Prolonged skin contact may cause skin irritation.

Inhalation May cause irritation to the lungs. May cause irritation to the mucous membranes.

Ingestion Abdominal pain. Nausea. Vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	60-70
Nonylphenol Ethoxylate	9016-45-9	20-25
Propylene Glycol	57-55-6	1-5

4. FIRST AID MEASURES

Eye contact Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Skin contact Remove contaminated clothing. Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.

Ingestion Do not induce vomiting without medical advice. Seek medical attention.

Inhalation Remove to fresh air. Contact physician if breathing difficulty develops.

5. FIRE FIGHTING MEASURES

Flash point °C Not Applicable
Flash point °F Not Applicable
Method Not Applicable

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)
Upper Not Applicable
Lower Not Applicable

Suitable extinguishing media
Water spray. Carbon dioxide (CO₂). Dry chemical.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Collect and contain for disposal. Reclaim into containers for reuse, recycle, or proper disposal.

7. HANDLING AND STORAGE

Handling
Avoid breathing vapors or mists. Must not come in contact with food. Keep out of reach of children. Protect contents from moisture. Thoroughly wash hands and exposed skin after handling. Handle in accordance with good industrial hygiene and safety practice.

Storage
Keep away from direct sunlight. Keep tightly closed in a dry and cool place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Water	-	-	-	-
Nonylphenol Ethoxylate	-	-	-	-
Propylene Glycol	-	-	-	-

Ventilation and Environmental Controls

Provide local exhaust ventilation. Mechanical: as necessary.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands after handling the product.

Respiratory protection

None necessary under normal conditions

Hand Protection

Nitrile gloves.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Green
Odor	Pleasant
Odor Threshold	Not Applicable
pH	7.0
Specific Gravity	1
Vapor pressure	No data available
Vapor density	No data available
Evaporation Rate	Not Applicable
Water solubility	Soluble in water
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	100
Boiling point/range °F	212
Melting point/range °C	Not Applicable
Melting point/range °F	Not Applicable
Flash point °C	Not Applicable
Flash point °F	Not Applicable

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

None known.

Incompatibility

Strong acids. Alkalis.

Hazardous Decomposition Products

None known.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Water 7732-18-5	-	-	-
Nonylphenol Ethoxylate 9016-45-9	1310 mg/kg	2 mL/kg	-
Propylene Glycol 57-55-6	20000 mg/kg	20800 mg/kg	-

Synergistic Products

None known

Potential health effects

Sensitization

None known

Chronic toxicity

None known

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

None Known

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Water	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Nonylphenol Ethoxylate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propylene Glycol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Propylene Glycol

Microtox Data

Photobacterium phosphoreum EC50=710 mg/L (30 min)

Water Flea Data

water flea EC50>10000 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

IMDG/IMO

Not Regulated

IATA

Not Regulated

MEX

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Water	Not Listed	Not Listed	Not Listed
Nonylphenol Ethoxylate	Not Listed	Not Listed	Not Listed
Propylene Glycol	Not Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Water	X	X	-	X
Nonylphenol Ethoxylate	-	X	-	X
Propylene Glycol	X	X	-	X

CPRC

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION**HMIS**

Health - 1

Flammability - 0

Physical Hazard - 0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.