

Material Safety Data Sheet

Revision Date 22-Jul-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DL1040 05
Product name FLARE
Recommended Use Floor Care

Supplier Drummond, A Lawson Brand
Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
May cause eye/skin irritation.

Aggravated Medical Conditions

Pre-existing skin conditions may be aggravated by exposure to this product. May cause skin irritation.

Principal Routes of Exposure

Eyes. Ingestion.

Potential health effects

Eyes Mild eye irritation.

Skin Mild irritation.

Inhalation No adverse affects expected.

Ingestion Stomach distress. Nausea. Vomiting. Diarrhea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	30-60
Acrylic Emulsion Polymer	Proprietary	15-40
Polyethylene Emulsion	Proprietary	1-5
Diethylene glycol-monoethyl-ether	111-90-0	1-5
Propylene Glycol Dibenzate	19224-26-1	0.1-1.5
Diethylene glycol monomethyl ether	111-77-3	0.1-1.5

4. FIRST AID MEASURES

Eye contact Flush eyes immediately with large amounts of water. Seek medical attention if irritation occurs.

Skin contact Wash off immediately with plenty of water. Seek medical attention if irritation occurs.

Ingestion Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Inhalation No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

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 No data available
Lower No data available

Suitable extinguishing media

Product is nonflammable. Use extinguishing media appropriate to surrounding fire. Water spray. Dry chemical powder. Carbon dioxide (CO₂). Alcohol foam.

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.

Hazardous decomposition products

See Section 10.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Evacuate area of unprotected and unnecessary personnel. Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Wear rubber boots to prevent skin contact. Ventilate area to maintain exposure below permissible exposure limits. Stop leak if you can without risk. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Soak up with noncombustible inert absorbent material. Flush area with water. Use caution as spill may create a slip hazard.

Clean-up methods - large spill

Dike or dam large spills.

7. HANDLING AND STORAGE

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Handling

Use only according to label directions. Avoid contact with eyes. Never taste or swallow product. Handle empty containers as if they were full. Containers can contain residues. Handle carefully to avoid damaging. Keep out of reach of children.

Storage

Keep in properly labelled containers. Rotate stock regularly. Keep container tightly closed. Store at temperatures between 35 degrees F and 120 degrees F. Keep away from direct sunlight. Do not freeze. Keep away from food, beverages, and feed. 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)
Diethylene glycol-monoethyl-ether	-	-	-	-
Diethylene glycol monomethyl ether	-	-	-	-
Propylene Glycol Dibenzoate	-	-	-	-
Acrylic Emulsion Polymer	-	-	-	-
Polyethylene Emulsion	-	-	-	-
Water	-	-	-	-

Ventilation and Environmental Controls

None required. Normal ventilation is adequate.

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

The following gloves are recommended for prolonged or repeated contact: Rubber gloves.

Eye protection

None necessary under normal use conditions.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Opaque White
Odor	Very faint
Odor Threshold	Not Applicable
pH	8.5

Specific Gravity	1.027
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Evaporation Rate	Not Applicable
Water solubility	Miscible
VOC Content	4.4%
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	Not Applicable
Boiling point/range °F	Not Applicable
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	Not Applicable
Flash point °F	Not Applicable

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Store at temperatures between 35 degrees F and 120 degrees F. Do not allow to freeze. Avoid mixing with any other cleaning product. Mix only with water.

Incompatibility

Incompatible with oxidizing agents. Chlorine bleach.

Hazardous Decomposition Products

Fire or mixing with incompatible materials can lead to release of irritating gases and vapours. Carbon oxides. Toxic fumes.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Diethylene glycol-monoethyl-ether 111-90-0	1920 mg/kg	-	5240 mg/m ³
Diethylene glycol monomethyl ether 111-77-3	-	650 mg/kg	-
Propylene Glycol Dibenzoate 19224-26-1	-	-	-
Acrylic Emulsion Polymer Proprietary	-	-	-
Polyethylene Emulsion Proprietary	-	-	-
Water 7732-18-5	-	-	-

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 See Section 2

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Diethylene glycol-monoethyl-ether	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Diethylene glycol monomethyl ether	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propylene Glycol Dibenzate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acrylic Emulsion Polymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Polyethylene Emulsion	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Water	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Diethylene glycol-monoethyl-ether

Water Flea Data

Daphnia magna EC503940 - 4670 mg/L (48 h)

Diethylene glycol monomethyl ether

Microtox Data

Pseudomonas putida EC50>10000 mg/L (17 h)

Water Flea Data

Daphnia magna EC50>500 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Disposal Information

Dispose in accordance with federal, state, and local regulations. Dispose of via licensed waste disposal contractor.

Waste from residues / unused products

Do not reuse container. Rinse empty container thoroughly with water before discarding. Please recycle empty container whenever possible.

14. TRANSPORTATION INFORMATION

DOT

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION

US EPA SARA 313 Glycol ethers are listed under the Hazardous Air Pollutants (HAPS) category "glycol ethers" as specified in the Clean Air Act, and here for Clean Air Act reporting purposes

Chemical Name	US EPA SARA 313 Emission Reporting
Diethylene glycol-monoethyl-ether	Listed
Diethylene glycol monomethyl ether	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Diethylene glycol-monoethyl-ether	Not Listed	Not Listed	Not Listed
Diethylene glycol monomethyl ether	Not Listed	Listed	Not Listed
Propylene Glycol Dibenzate	Not Listed	Not Listed	Not Listed
Acrylic Emulsion Polymer	Not Listed	Not Listed	Not Listed
Polyethylene Emulsion	Not Listed	Not Listed	Not Listed
Water	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Diethylene glycol-monoethyl-ether	X	X	-	X
Diethylene glycol monomethyl ether	X	X	-	X
Propylene Glycol Dibenzate	X	-	X	X
Acrylic Emulsion Polymer	-	-	-	-
Polyethylene Emulsion	-	-	-	-
Water	X	X	-	X

CPR

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

NFPA

Health - 1
Flammability - 0

16. OTHER INFORMATION

Reactivity - 0

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.