

Material Safety Data Sheet

Revision Date 27-Jan-2012

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DL1490 55
Product name PERMEATE
Recommended Use Grounds Products

Supplier Drummond American
A Lawson Products Company
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9313

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
No information available

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
No information available

Potential health effects

Eyes Contact with eyes may cause irritation. Redness.

Skin Repeated or prolonged exposure may cause:
Swelling. Redness.

Inhalation May cause irritation of the nose and throat. Exposure to vapors may cause the following effects.
Headaches. Nausea. Drowsiness .

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Alkylphenol Ethoxylate	9016-45-9	0.2-0.6
Water	7732-18-5	60-100

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.

Skin contact Wash area thoroughly with soap and water. Seek medical attention if irritation persists.

Ingestion Drink 1 or 2 glasses of water. Induce vomiting, but only if victim is fully conscious. Never induce vomiting if the victim is unconscious or having convulsions.

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

5. FIRE FIGHTING MEASURES

Flash point °C > 238
Flash point °F > 460
Method No information available

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper No data available
Lower No data available

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

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

Fire and Explosion Hazards
Water or foam may cause frothing.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid contact with the skin and the eyes.

Methods for cleaning up
Soak up with inert absorbent material. Collect and contain for disposal.

7. HANDLING AND STORAGE

Handling
No information available

Storage
Store at temperatures between 40 degrees F and 120 degrees F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Water	-	-	-	-
Alkylphenol Ethoxylate	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits

Hygiene measures

Remove and wash contaminated clothing before re-use.

Respiratory protection

Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator, if there is any potential for an uncontrolled release, where exposure levels are not known, or other circumstances where an air purifying respirator (P100) may not provide adequate protection.

Hand Protection

For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves.

Eye protection

ANSI approved safety glasses or splash goggles are recommended.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Clear
Odor	Mild
Odor Threshold	No information available
pH	6.5
Specific Gravity	No data available
Vapor pressure	No data available
Density	8.5 lbs/gal
Vapor density	No data available
Evaporation Rate	No data available
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	0
Melting point/range °F	32
Flash point °C	> 238
Flash point °F	> 460

10. STABILITY AND REACTIVITY

Stability
Stable

Conditions to avoid

None known.

Incompatibility

None known.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapours. Carbon monoxide. Carbon dioxide. aldehydes. ketones.

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	90 mL/kg	-	-
Alkylphenol Ethoxylate 9016-45-9	1310 mg/kg	2 mL/kg	-

Synergistic Products

None known

Potential health effects

Sensitization

None known

Chronic toxicity

See Section 2.

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

See Section 2

Carcinogenic effects

Contains trace amounts of ethylene oxide.

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
Alkylphenol Ethoxylate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

13. DISPOSAL CONSIDERATIONS**Disposal Information**

Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION**US EPA SARA 313****State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Water	Not Listed	Not Listed	Not Listed
Alkylphenol Ethoxylate	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Water	X	X	-	X
Alkylphenol Ethoxylate	-	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**Prepared By**

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Engineer

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.