

Revision Date 02-May-2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code DL3230
Product name Carnivate
Recommended Use Sewer and Drain Maintenance
Supplier Drummond American Corporation
 600 Corporate Woods Parkway
 Vernon Hills, IL 60061
 (847) 913-9313
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Color Green **Odor** Sweet **Form** Liquid

Aggravated Medical Conditions Pre-existing respiratory conditions may be aggravated by exposure to this product.

Principal Routes of Exposure Eyes. Skin absorption. Ingestion.

Potential health effects

Eyes Contact with eyes may cause irritation.
Skin Repeated or prolonged exposure may cause: Mild irritation.
Inhalation May cause irritation to the lungs. May cause irritation to the mucous membranes.
Ingestion Swallowing substance may cause the following effects: Abdominal pain. Nausea. Vomiting.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Proprietary Ingredients	Proprietary	0

4. FIRST AID MEASURES

Eye contact Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Skin contact Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.
Ingestion Do not induce vomiting without medical advice.

Inhalation

If fumes from reactions are inhaled, move to fresh air immediately. Contact physician if breathing difficulty develops.

5. FIRE FIGHTING MEASURES

Flash point °C > 110
Flash point °F > 230
Method Seta closed cup

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. Dry powder.

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**

Reclaim into containers for reuse, recycle, or proper disposal.

7. HANDLING AND STORAGE**Handling**

Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Handle in accordance with good industrial hygiene and safety practice. Do not expose to direct sunlight. Keep container closed when not in use. Protect contents from moisture.

Storage

Keep out of the reach of children. Do not store around food or beverages. Prevent moist air from entering storage tanks or containers. Keep away from direct sunlight. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure limits**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Proprietary Ingredients	-	-	-	-

Ventilation and Environmental Controls

Provide local exhaust ventilation. Mechanical: as necessary. Avoid creating mist in poorly ventilated areas.

Hygiene measures

General industrial hygiene practice.

Personal protective equipment**Respiratory protection**

None necessary under normal conditions.

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

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	Sweet	Odor Threshold	Not Applicable
pH	4.8	Specific Gravity	1
Vapor pressure	Not Applicable	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	> 110	Flash point °F	> 230

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Strong acids will inactivate biological cultures. Strong bases will inactivate biological cultures.

Incompatibility

Alkalis. Strong acids.

Hazardous Decomposition Products

Sulfur dioxide. Hydrogen sulfide.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Proprietary Ingredients</i> <i>Proprietary</i>	-	-	-

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
Proprietary Ingredients	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

No Information Available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

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

14. TRANSPORT 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
Proprietary Ingredients	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Proprietary Ingredients	-	-	-	-

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

NFPA		HMIS	
Health	-	Health	1
Flammability	-	Flammability	0
Reactivity	-	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.