

Traffic Lane Cleaner

SDS Number: S708

Revision Date: February 10, 2017

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Traffic Lane Cleaner
Revision Date: February 10, 2017
Version: 46-23C
SDS Number: S708

Manufacturer:

Canadian Contact:

Legend Brands
 325 S. Price RD.
 Chandler, AZ 85224
 Phone: 480-899-7000
 Fax: 480-786-9538
 Email: info@prochem.com
 www.prochem.com

Legend Brands
 4520 Eastgate Parkway
 Mississauga, ON L4W 3W6
 Phone: 800-932-3030

Emergency Information: INFOTRAC 1-800-535-5053 International 1-352-323-3500

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Dermal
 Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

H313 - May be harmful in contact with skin
 H320 - Causes eye irritation

GHS Precautionary Statements:

P264 - Wash thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 - Call a POISON CENTER/doctor/...if you feel unwell.
 P337 + P313 - If eye irritation persists: Get medical advice/attention.

Route of Entry:

Eyes; Skin; Inhalation;

Target Organs:

Eyes; Skin;

Inhalation:

Minimal respiratory tract irritation may occur with exposure to a large amount of material.

Skin Contact:

May cause irritation.

Eye Contact:

Causes Irritation.

Ingestion:

Ingestion is not applicable route of entry for intended use.

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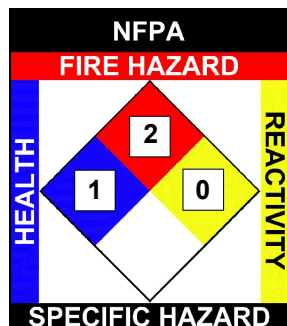
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NFPA: Health = 1, Fire = 2, Reactivity = 0, Specific Hazard = n/a

HMIS III: Health = 1, Fire = 2, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves



HMIS	
HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
6834-92-0	1%	Sodium Metasilicate Pentahydrate
112-34-5	10%	Diethylene glycol butyl ether
111-90-0	5%	Diethylene glycol ethyl ether

OSHA Regulatory Status:

This SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

4 FIRST AID MEASURES

Inhalation:	If symptoms develop, move victim to fresh air; if symptoms persist, obtain medical attention.
Skin Contact:	Wash with soap and water. If irritation persists consult medical personnel.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention.
Ingestion:	If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:	>212°F
Flash Point Method:	Closed Cup

Wear self-contained breathing apparatus and other protective clothing. Use any standard agent - choose the one most appropriate for type of surrounding fire.

6 ACCIDENTAL RELEASE MEASURES

Keep away from drains and ground water. Keep all unnecessary personnel away. Spill area may be slippery. Pick up excess with inert absorbent material and place into separate waste container. Ventilate area and wash spill site after material pickup is complete. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

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7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing; Consider normal working hygiene. Handle with care and avoid spillage on the floor (slippage). Keep away from sources of ignition; wash thoroughly after handling.

Storage Requirements: Keep away from children. Store in cool/dry area; Keep container closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Normal room ventilation is satisfactory for limited use.

Personal Protective Equipment: HMIS PP, B | Safety Glasses, Gloves

No OSHA PEL established for listed chemicals

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear green	Odor:	Mint
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	8.72 lb/gal		
pH:	11.8 - 12.5 as is/ 11.0 - 11.3 RTU		

10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions.

Conditions to Avoid: None known

Materials to Avoid: None known

Hazardous Decomposition: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging.

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Sodium Metasilicate Pentahydrate cas#:(6834-92-0) [1%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 1,153 mg/kg

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Severe skin irritation - 24 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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Reproductive toxicity: no data available

Reproductive toxicity - rat - Oral:

Effects on Newborn: Stillbirth. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4).
no data available

Specific target organ toxicity - single exposure: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Diethylene glycol butyl ether cas#:(112-34-5) [10%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - male - 7,291 mg/kg (OECD Test Guideline 401)

Inhalation: no data available

LD50 Dermal - rabbit - male - 2,764 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 1 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: Irritating to eyes. (OECD Test Guideline 405)

Respiratory or skin sensitisation: Maximisation Test - guinea pig Result: Does not cause skin sensitisation. (OECD Test Guideline 406)

Germ cell mutagenicity: Ames test *S. typhimurium* Result: negative

OECD Test Guideline 477 *Drosophila melanogaster* - male and female

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Reproductive toxicity - rat - male and female - Dermal:

No adverse effect has been observed in chronic toxicity tests.

no data available

Developmental Toxicity - rabbit - Dermal:

No adverse effect has been observed in chronic toxicity tests.

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Diethylene glycol ethyl ether cas#:(111-90-0) [5%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 10,502 mg/kg

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Inhalation LC50 LC50 Inhalation - rat - > 200 mg/l
 Dermal LD50
 LD50 Dermal - rabbit - 9,143 mg/kg
 Other information on acute toxicity no data available

Skin corrosion/irritation: Skin - rabbit - Mild skin irritation
 Serious eye damage/eye irritation: Eyes - rabbit - Mild eye irritation
 Respiratory or skin sensitisation: no data available
 Germ cell mutagenicity: no data available

Carcinogenicity:
 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
 NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available
 Teratogenicity: no data available
 Specific target organ toxicity - single exposure (Globally Harmonized System):
 no data available
 Specific target organ toxicity - repeated exposure (Globally Harmonized System):
 no data available
 Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

12	ECOLOGICAL INFORMATION
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Sodium Metasilicate Pentahydrate cas#:(6834-92-0) [1%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

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Diethylene glycol butyl ether cas#:(112-34-5) [10%]

Information on ecological effects

Toxicity:

Toxicity to fish static test LC50 - Lepomis macrochirus - 1,300 mg/l - 96 h.

(OECD Test Guideline 203)

Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h.

other aquatic (Directive 67/548/EEC, Annex V, C.2.) invertebrates

Toxicity to algae static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - >:

100 mg/l - 96 h (OECD Test Guideline 201)

Toxicity to bacteria LC50 - Pseudomonas putida - 1,170 mg/l - 16 h.

Persistence and degradability: Biodegradability aerobic - Exposure time 28 d Result: 91.7 % - Readily biodegradable. (OECD Test Guideline 301B)

Bioaccumulative potential: Does not bioaccumulate.

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Diethylene glycol ethyl ether cas#:(111-90-0) [5%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9,650 mg/l - 96 h.

Toxicity to daphnia LC50 - Daphnia magna (Water flea) - 3,340 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

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DISPOSAL CONSIDERATIONS

Recommendation: Consult with the disposal agency and the relevant authorities. Empty containers may be cleaned with water.

Sodium Metasilicate Pentahydrate cas#:(6834-92-0) [1%]

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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Contaminated packaging: Dispose of as unused product.

Diethylene glycol butyl ether cas#:(112-34-5) [10%]

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

Diethylene glycol ethyl ether cas#:(111-90-0) [5%]

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

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TRANSPORT INFORMATION

Ship in accordance with 49 CFR parts 100-185. Non-hazardous for air, sea and road freight.

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REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Sodium Metasilicate Pentahydrate (6834-92-0) [1%] TSCA, WHMIS

Diethylene glycol butyl ether (112-34-5) [10%] TSCA, WHMIS

Diethylene glycol ethyl ether (111-90-0) [5%] HAP, TSCA, TXAIR, WHMIS

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

WHMIS = Workplace Haz Mat Info Sys Canada

HAP = Hazardous Air Pollutants

TXAIR = TX Air Contaminants with Health Effects Screening Level

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16**OTHER INFORMATION**

This document is prepared in accordance with 29 CFR 1910.1200. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees.

All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control; therefore the users are responsible to verify this data under their own particular conditions, applications and regulations to determine if the product is suitable for their particular purposes. The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

Prepared by: EHS Manager

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