

OptiShield Elevate TLC

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: OptiShield Elevate TLC
Common Name: Traffic Lane Cleaner
SDS Number: 129989-SDS
Product Code: 129989
Revision Date: 8/13/2025
Version: 1
Product Use: Use only as directed
Instructions: Professional Use Only

Supplier Details: EXTRACTION ZONE
 PO Box 262
 Strasburg, CO 80136

Contact: Customer Service
Phone: 720.374.2375
Web: www.extractionzone.com
Emergency: Infotrac 1-800-535-5053 (North America) 1-352-323-3500 (International)

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

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

Health, Serious Eye Damage/Eye Irritation, 2 A
 Physical, Flammable Liquids, 4

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H319 - Causes serious eye irritation
 H227 - Combustible liquid

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces.
 P233 - Keep container tightly closed.
 P264 - Wash skin thoroughly after handling.
 P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 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 or doctor/ physician if you feel unwell.
 P337 + P313 - If eye irritation persists: Get medical advice/ attention.
 P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
 P501 - Dispose of contents/ container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients

CAS#	%	Chemical Name
112-34-5	<10%	Diethylene glycol monobutyl ether



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68551-12-2	<6%	Alcohols, C12-16, ethoxylated
1344-09-8	<4%	Silicic acid, sodium salt

4 FIRST AID MEASURES

Inhalation:	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Promptly flush skin with water until all chemical is removed. Remove contaminated clothing and wash before reuse.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Ingestion:	Do not induce vomiting. Seek immediate medical attention. Drink large quantities of water.

5 FIRE FIGHTING MEASURES

Flammability:	N/A
Flash Point:	>100 C / 212 F
Flash Point Method:	TCC
Burning Rate:	N/A
Autoignition Temp:	N/A
LEL:	N/A
UEL:	N/A

Use extinguishing measures that are appropriate to local circumstances and surrounding environment.
Wear self-contained breathing apparatus and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Ventilate area and wash spill site after material pickup is complete. Avoid contact with skin and eyes. Use personal protective equipment.

7 HANDLING AND STORAGE

Handling Precautions:	Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.
Storage Requirements:	Keep away from open flames, hot surfaces and sources of ignition. Keep in a cool ventilated area. Keep container tightly closed. Keep out of reach of children. Store away from incompatible materials, Acids.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Keep in a cool ventilated area
Personal Protective Equipment:	HMIS PP, B Safety Glasses, Gloves Personal protective equipment Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.



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Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Impervious clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Green Liquid		
Physical State:	Liquid	Odor:	Mint
Odor Threshold:	No Information Available	Molecular Formula:	No Information Available
Particle Size:	No Information Available	Solubility:	Completely Soluble
Spec Grav./Density:	1.016 +/- .005	Softening Point:	No Information Available
Viscosity:	No Information Available	Percent Volatile:	No Information Available
Saturated Vapor Concentration:	No Information Available	Heat Value:	No Information Available
Boiling Point:	No Information Available	Freezing/Melting Pt.:	No Information Available
Flammability:	No Information Available	Flash Point:	>100 C / 212 F
Partition Coefficient:	No Information Available	Octanol:	No Information Available
Vapor Pressure:	No Information Available	Vapor Density:	No Information Available
pH:	12.5 +/- .5	VOC:	0.0%
Evap. Rate:	Similar to water	Bulk Density:	No Information Available
Molecular weight:	No Information Available	Auto-Ignition Temp:	No Information Available
Decomp Temp:	No Information Available	UFL / LFL:	No Information Available

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STABILITY AND REACTIVITY

Reactivity:	None under normal processing
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Avoid temperature extremes and direct sunlight
Materials to Avoid:	Acids
Hazardous Decomposition:	Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.
Hazardous Polymerization:	Not Known

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TOXICOLOGICAL INFORMATION

Diethylene glycol monobutyl 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)

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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

Additional Information:

Repeated dose toxicity - rat - male and female - Oral - No observed adverse effect level - 250 mg/kg RTECS: KJ9100000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

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ECOLOGICAL INFORMATION

Diethylene glycol monobutyl 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



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13 DISPOSAL CONSIDERATIONS

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.

14 TRANSPORT INFORMATION

Cleaning Compound Liquid, Not Regulated

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes


[<10%] Diethylene glycol monobutyl ether (112-34-5) HAP, TSCA

[<6%] Alcohols, C12-16, ethoxylated (68551-12-2) TSCA

[<4%] Silicic acid, sodium salt (1344-09-8) TSCA

[.1%] RQ(10LBS), Proprietary (75-21-8) CERCLA, CFATS, EHS302, HAP, MASS, NJEHS, NJHS, NRC, OSHAHTS, OSHAPSM, OSHAWAC, PA, PROP65, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

CALIFORNIA PROP 65:

 This product can expose you to chemicals including Ethylene oxide, CAS # 75-21-8, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

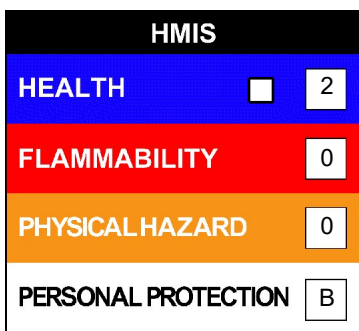
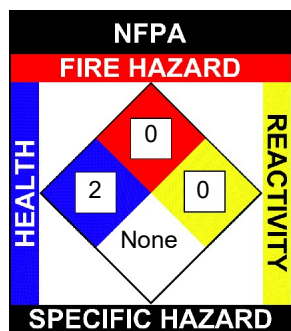
Regulatory Code Legend

RQ = Reportable Quantity
HAP = Hazardous Air Pollutants
TSCA = Toxic Substances Control Act
CERCLA = Superfund clean up substance
CFATS = DHS Chemicals of Interest
EHS302 = Extremely Hazardous Substance
MASS = MA Massachusetts Hazardous Substances List
NJEHS = NJ Extraordinarily Hazardous Substances
NJHS = NJ Right-to-Know Hazardous Substances
NRC = Nationally Recognized Carcinogens
OSHAHTS = OSHA Hazardous and Toxic Substances
OSHAPSM = OSHA Chemicals Requiring process safety management
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PROP65 = CA Prop 65
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List

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16 OTHER INFORMATION

NFPA: Health = 2, Fire = 0, Reactivity = 0, Specific Hazard = None
HMIS III: Health = 2, Fire = 0, Physical Hazard = 0
HMIS PPE: B - Safety Glasses, Gloves



The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process, unless specified in the text.

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