

### OptiShield Fabric Ready

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** OptiShield Fabric Ready  
**Common Name:** Fine Fabric Pre-Spray  
**SDS Number:** 129994-SDS  
**Product Code:** 129994  
**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](http://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, Acute toxicity, 4 Oral  
Environmental, Hazards to the aquatic environment - Acute, 3  
Health, Skin corrosion/irritation, 3  
Health, Serious Eye Damage/Eye Irritation, 2 B

### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:**



#### GHS Hazard Statements:

H302 - Harmful if swallowed  
H402 - Harmful to aquatic life  
H316 - Causes mild skin irritation  
H320 - Causes eye irritation

#### GHS Precautionary Statements:

CGA-PG27 - Read and follow the Safety Data Sheet (SOS) before use.  
P103 - Read label before use.  
P102 - Keep out of reach of children.  
P270 - Do not eat, drink or smoke when using this product.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P281 - Use personal protective equipment as required.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice/ attention.  
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water.  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.



### OptiShield Fabric Ready

## 3 COMPOSITION/INFORMATION OF INGREDIENTS

### Chemical Ingredients

CAS#	%	Chemical Name
*****	5.0-10.0%	Proprietary
112-34-5	5.0-10.0%	Diethylene glycol monobutyl ether
68603-42-9	1.0-5.0%	Amides, coco, N,N-bis(hydroxyethyl)
64-02-8	0.1-1.0%	Chelating Agent

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

## 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. If irritation persists get medical attention.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, removing contacts, if present, and lifting eyelids occasionally to facilitate irrigation. Seek medical attention if irritation persists
- Ingestion:** Do not induce vomiting. Drink large quantities of water. Seek immediate medical attention

## 5 FIRE FIGHTING MEASURES

**Flash Point:** >100 C / 212 F

**Flash Point Method:** TCC

**Suitable Extinguishing Media:** Use extinguishing media appropriate for the surrounding fire. This substance is non-flammable and non-self-igniting.

**Hazardous Combustion Products:** No specific hazards are known if involved in a fire from nearby combustibles. Thermal decomposition may produce irritating fumes, carbon oxides, and other unidentifiable organic compounds.

**Special Remarks on Fire Hazards:** This material is not combustible and will not ignite or sustain a flame. Containers may rupture due to pressure build-up when exposed to extreme heat.

**Firefighting Protection:** Wear self-contained breathing apparatus (SCBA) and full turnout gear (e.g., bunker gear) to prevent contact with skin and eyes.

**Firefighting Procedures:** Evacuate non-essential personnel from the area. Move containers from fire area if you can do so without risk. Dike fire-control water for later disposal. Use water spray to keep fire-exposed containers cool.

## 6 ACCIDENTAL RELEASE MEASURES

Use personal protective equipment.  
Ventilate area and wash spill site after material pickup is complete.  
Do not discharge into drains.

## 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). Wash thoroughly after handling.  
KEEP MATERIAL OUT OF REACH OF CHILDREN
- Storage Requirements:** Store in cool/dry area. Keep container closed tightly. Keep out of reach of children

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION



### OptiShield Fabric Ready

<b>Engineering Controls:</b>	Store in a cool dry area.
<b>Personal Protective Equipment:</b>	HMIS PP, B   Safety Glasses, Gloves
	Personal protective equipment
	Eye/face 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 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.
	Full contact: Material: Nitrile rubber Minimum layer thickness: 0.2 mm Break through time: 480 min Material tested:Dermatril P (KCL 743 / Aldrich Z677388, Size M)
	Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 120 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
	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.
	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).
	Control of environmental exposure: Do not let product enter drains.

9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear Blue Liquid		
<b>Physical State:</b>	Liquid	<b>Odor:</b>	Neutral
<b>Odor Threshold:</b>	No data available		
		<b>Solubility:</b>	Completely Soluble
<b>Spec Grav./Density:</b>	1.016 +/- .005		
<b>Viscosity:</b>	No data available		
<b>Boiling Point:</b>	No data available	<b>Freezing/Melting Pt.:</b>	No data available
		<b>Flash Point:</b>	>100 C / 212 F
<b>Partition Coefficient:</b>	No data available		
<b>Vapor Pressure:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>pH:</b>	8.5 +/- .5		
<b>Evap. Rate:</b>	Similiar to water		
		<b>Auto-Ignition Temp:</b>	No data available



### OptiShield Fabric Ready

Decomp Temp: No data available

UFL / LFL: No data available

## 10 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:** Not known  
**Hazardous Decomposition:** Not known.  
**Hazardous Polymerization:** Will not occur.

## 11 TOXICOLOGICAL INFORMATION

**Diethylene glycol monobutyl ether** cas#:(112-34-5) [5.0% - 10.0%]

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

Additional Information:

### OptiShield Fabric Ready

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

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

**Diethanolamine** cas#:(111-42-2) [0.001% - 0.15%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 710 mg/kg

Inhalation: no data available

LD50 Dermal - rabbit - 12,200 mg/kg

LD50 Intraperitoneal - rat - 120 mg/kg

LD50 Intravenous - rat - 778 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h (Draize Test)

Serious eye damage/eye irritation: Eyes - rabbit Result: Severe eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Diethanolamine)

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

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:

RTECS: KL2975000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  
Liver - Irregularities - Based on Human Evidence

## 12

## ECOLOGICAL INFORMATION

**Diethylene glycol monobutyl ether** cas#:(112-34-5) [5.0% - 10.0%]

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



### OptiShield Fabric Ready

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

**Diethanolamine** cas#:(111-42-2) [0.001% - 0.15%]

Information on ecological effects

Toxicity:

Toxicity to fish mortality NOEC - *Cyprinodon variegatus* (sheepshead minnow) - 540 mg/l - 96:  
h

LC50 - *Pimephales promelas* (fathead minnow) - 1,460 mg/l - 96 h

Toxicity to daphnia and mortality NOEC - *Daphnia magna* (Water flea) - < 4.2 mg/l - 11 d.

other aquatic invertebrates

EC50 - *Daphnia magna* (Water flea) - 55 mg/l - 48 h

Persistence and degradability: Biodegradability Result: > 90 % - Readily biodegradable.

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: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

no data available

## 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.

**Diethylene glycol monobutyl ether** cas#:(112-34-5) [5.0% - 10.0%]

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.

### OptiShield Fabric Ready

**Diethanolamine** cas#:(111-42-2) [0.001% - 0.15%]

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.

Contaminated packaging: Dispose of as unused product.

## 14 TRANSPORT INFORMATION

Cleaning Compound Liquid, Not Regulated

## 15 REGULATORY INFORMATION

All ingredients for this product are listed or are exempt or excluded from being listed on the TSCA inventory.

	Diethanolamine	Diethylene Glycol Monobutyl Ether
CAS #	111-42-2	112-34-5
Percent Range	0.001% - 0.15%	5.0 % - 10.0%
SARA 313	Yes, 10,000 RQ LBS	Yes, 10,000 RQ LBS
SARA 311/312	Yes, 10,000 RQ LBS	Yes, 10,000 RQ LBS
SARA 302/304	Yes, 100 RQ LBS	No
CERCLA	No	No
RCRA	No	No



### WARNING

This product can expose you to chemicals including Diethanolamine, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Regulatory Code Legend

HAP = Hazardous Air Pollutants

RQ = Reportable Quantity

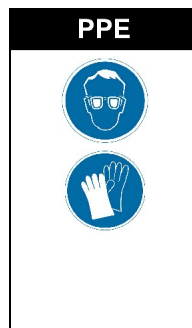
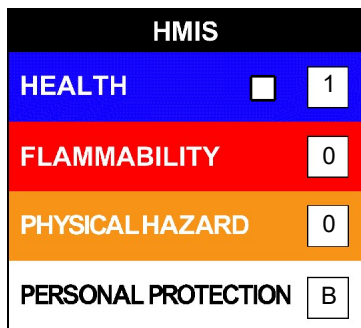
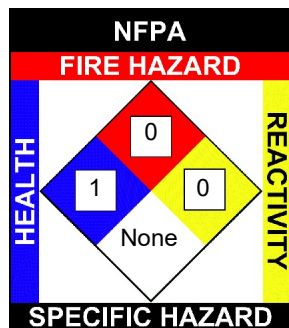
TSCA = Toxic Substances Control Act

## 16 OTHER INFORMATION

**NFPA:** Health = 1, Fire = 0, Reactivity = 0, Specific Hazard = None

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

**HMIS PPE:** B - Safety Glasses, Gloves





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### OptiShield Fabric Ready

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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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