

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
Trade name	FOG FREE + <sup>™</sup>
CAS No.	Mixture

**Relevant identified uses of the substance or mixture and uses advised against**

Identified use(s)	Consumer Product - Eyeglass Lens Cleaner.
Uses advised against	None.

**Details of the supplier of the safety data sheet**

Company Identification	OptiSource 40 Sawgrass Drive Bellport, NY 11713
Telephone	631-924-8360
E-Mail (competent person)	<a href="mailto:info@1-800-optisource.com">info@1-800-optisource.com</a>

**Emergency telephone number**

Emergency Phone No.	CHEMTREC24hr(800) 424-9300 or +1(703) 527-3887 (Collectcallaccepted); CCN: 15218
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### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)

**Label elements**

Hazard statement(s)

**WARNING**

Precautionary statement(s)

Harmful if swallowed.

Wash hands thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Other hazards**

None known.

**Additional Information**

None.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Propylene glycol n-butyl ether	5 - 10	5131-66-8	Skin Irrit. 2; H315 Eye Irrit. 2; H319
Diethylene glycol monobutyl ether	4 - 7	112-34-5	Eye Irrit. 2; H319
Proprietary fluorosurfactant	5 - 7	Trade Secret	Acute Tox. 4; H302 Aquatic Chronic 3; H412

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below: **None**

**Additional Information** - The exact composition is withheld as Trade Secret in accordance with OSHA 29 CFR 1910.1200.

**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

Inhalation	Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with soap and water. If symptoms develop, obtain medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Ingestion	Call a POISON CENTER/doctor if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

Causes serious eye irritation.

**Indication of the immediate medical attention and special treatment needed**

None .

**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing media**

Suitable Extinguishing Media	Non-flammable / Non-combustible. As appropriate for surrounding fire.
Unsuitable Extinguishing Media	None anticipated.

**Special hazards arising from the substance or mixture**

Thermal decomposition will evolve toxic and irritant vapours.

**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin and eyes.
<b>Environmental precautions</b>	Prevent liquid entering sewers, basements and work-pits.
<b>Methods and material for containment and cleaning up</b>	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
<b>Reference to other sections</b>	Please see section 8 SDS for more details.
<b>Additional Information</b>	None

**SECTION 7: HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Avoid contact with skin and eyes.
<b>Conditions for safe storage, including any incompatibilities</b>	Store at room temperature.
Storage Temperature	This product should be stored away from sources of strong heat or oxidizing chemicals.
Incompatible materials	

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Diethylene glycol monobutyl ether	112-34-5	----	10 <sup>IFV</sup>	----	----	----

- LTEL: Long Term Exposure Limit; - STEL: Short Term Exposure Limit; - IFV: Inhalable Fraction and Vapor

<b>Recommended monitoring method</b>	NIOSH 2554 (Glycol Ethers)
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Not required under normal consumer use.
<b>Personal protection equipment</b>	
Eye/face protection	Not required under normal consumer use.
Skin protection (Hand protection/ Other)	Not required under normal consumer use.
Respiratory protection	No personal respiratory protective equipment normally required.
Thermal hazards	Not normally required.

Environmental Exposure Controls

None assigned.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties / Substances in articles

Appearance	Liquid
Color	Clear
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	6 - 8
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	> 93.3° C Pensky-Martens [Closed cup]
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Explosive limit ranges	Not applicable
Vapor Pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	1
Solubility (Water)	Not available
Solubility (Other)	Miscible
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Temperature (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	< 10
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

### Other information

Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions
<b>Chemical stability</b>	Stable
<b>Possibility of hazardous reactions</b>	None anticipated
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Product(s)</b>	None known

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

### Substances in preparations / mixtures

IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

#### Propylene glycol butyl ether (CAS No. 5131-66-8):

Acute toxicity	Oral LD50 = 3300 mg/kg (rat) Inhalation LC50 > 651 ppm (4 hour(s)) (rat) Dermal LD50 > 2000 mg/kg (rat)
Skin corrosion/irritation	Not to be expected.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	It is not a skin sensitizer.
Germ cell mutagenicity	Negative.
Carcinogenicity	Negative.

Reproductive toxicity	Not to be expected. - NOAEL = 300 ppm (Paternal) - NOAEL = 1000 ppm (Offspring)
STOT - single exposure	Not to be expected.
STOT - repeated exposure	Not to be expected. - Oral NOAEL = 350 mg/kg/day (rat) - Inhalation NOAEL = 600 ppm (rat) - Dermal NOAEL = 880 mg/kg/day (rat)
Aspiration hazard	Not available.
<u>Diethylene glycol monobutyl ether (CAS No. 112-34-5):</u>	
Acute toxicity	LD50 (oral, mouse) mg/kg: 2410 Inhalation LC50 >29 ppm (2 hour(s)) (rat) Dermal LD50 = 2,764 mg/kg (rabbit)
Skin corrosion/irritation	Not to be expected.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	It is not a skin sensitizer.
Germ cell mutagenicity	Negative.
Carcinogenicity	Not to be expected.
Reproductive toxicity	Not to be expected.
STOT - single exposure	Not to be expected.
STOT - repeated exposure	Not to be expected. - Oral NOAEL = 250 mg/kg/day (rat) - Inhalation NOAEL = 14 ppm (rat) - Dermal NOAEL <200 mg/kg/day (rat)
Aspiration hazard	Not available.
<u>Proprietary fluorosurfactant (CAS No. Trade Secret) - By analogy with similar materials:</u>	
Acute toxicity	Oral LD50 = 550 mg/kg (rat) Inhalation LC50 > 5.9 mg/l (rat) Dermal LD50 > 5,000 mg/kg (rat)
Skin corrosion/irritation	Not to be expected.
Serious eye damage/irritation	Not to be expected.
Respiratory or skin sensitization	It is not a skin sensitizers.
Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Reproductive toxicity	Not available.
STOT - single exposure	Not to be expected.
STOT - repeated exposure	Not available.
Aspiration hazard	Not available.
<b>Other information</b>	None known.

## SECTION 12: ECOLOGICAL INFORMATION

### Substances in preparations / mixtures:

Proprietary fluorosurfactant (CAS No. Trade Secret) - By analogy with similar materials:

#### Toxicity

##### Short term

LC50 (96 hour): ~37 mg/l (*Rainbow trout*)  
EC50 (48 hour): ~29 mg/l (*Daphnia magna*)

##### Long Term

Not available. Harmful to aquatic life with long lasting.

##### Persistence and degradability

effects. Not readily biodegradable.

##### Bioaccumulative potential

Not available.

##### Mobility in soil

Not available.

##### Results of PBT and vPvB assessment

Not available.

##### Other adverse effects

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**Additional Information**

None known.

**SECTION 14: TRANSPORT INFORMATION**

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>			
<b>Proper Shipping Name</b>		<b>Not classified as dangerous for transport.</b>	
<b>Transport hazard class(es)</b>			
<b>Packing group</b>			
<b>Environmental hazards</b>			
<b>Special precautions for user</b>			

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

**SECTION 15: REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act)** - Inventory Status: All components are listed and active, or exempt. A component of this product is the subject of a TSCA 5(e) SNUR: 40 CFR 721.10515 which includes recordkeeping requirements and a TSCA 12(b) export notification obligation.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

**SARA 311/312 - Hazard Categories:** Refer to SECTION 2 - HAZARDS IDENTIFICATION

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

**SARA 302 - Extremely Hazardous Substances (40 CFR 355):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

**Proposition 65 (California):** This product does not contain substances which trigger a Proposition 65 Warning.

**SECTION 16: OTHER INFORMATION**

**Additional Information**

None

**The following sections contain revisions or new statements:** 1-16.

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