

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product form : Mixture  
Product name : **Gleam**  
Product code : GP113

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

Use of the substance/mixture : Window Cleaner

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

Crestek Cleaning Center, Inc.  
1161 Kapiolani Blvd.  
Honolulu, HI 96814  
T 1-(808) 942-2500

**1.4. Emergency telephone number**

Emergency number : CHEMTEL: 800-255-3924

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**GHS US classification**

Flam. Liq. 4 H227  
Skin Irrit. 2 H315  
Eye Irrit. 2 H319

Full text of H statements : see section 16

**2.2. Label elements**

**GHS US labeling**

Hazard pictograms :



GHS07

Signal word :

Warning

Hazard statements :

Combustible liquid.  
Causes skin irritation.  
Causes serious eye irritation.

Precautionary statements :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wash hands and forearms thoroughly after handling.  
Wear eye protection, protective gloves.  
If on skin: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see the emergency and first aid section of this Safety Data Sheet on this label).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
In case of fire: Use BC-powder, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol resistant foam, sand to extinguish.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3. Hazard not otherwise classified (HNOC)**

No additional information available.

**2.4. Unknown acute toxicity (GHS US)**

No data available

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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable.

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

Full text of H-phrases: see section 16

#### 3.2. Mixture

Name	Product identifier	%	GHS US classification
1-butoxy-2-propanol	(CAS-No.) 5131-66-8	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
dipropylene glycol monomethyl ether	(CAS-No.) 34590-94-8	5 - 10	Flam. Liq. 4, H227
sodium lauryl ether sulfate	(CAS-No.) 68585-34-2	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: If skin irritation or rash occurs: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation persists, get medical attention.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Symptoms/effects after skin contact	: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Gastrointestinal complaints. Irritation of the gastric/intestinal mucosa. Irritation of the oral mucous membranes. Nausea.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Alcohol-resistant foam. BC powder. Carbon dioxide. Dry chemical powder. Sand/earth.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid.
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#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Although product has a flash point <200° F, it is an aqueous solution and does not sustain combustion.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Isolate from fire, if possible, without unnecessary risk.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Protective goggles. Protective gloves. Protective clothing.
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Emergency procedures : Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain released product, pump into suitable containers. Plug the leak, cut off the supply.  
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not breathe mist, vapors. Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Observe normal hygiene standards. Provide good ventilation in process area to prevent formation of vapor. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required.  
Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and forearms thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation. Comply with applicable regulations.  
Incompatible products : Strong acids. Oxidizing agent.  
Storage area : Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

dipropylene glycol monomethyl ether (34590-94-8)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	100 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
OSHA	OSHA PEL (STEL) (ppm)	150 ppm

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.  
Hand protection : Wear protective gloves.  
Eye protection : Chemical goggles or safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of insufficient ventilation, wear suitable respiratory equipment.  
Other information : Do not eat, drink or smoke during use.  
Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Color : Dark blue

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Odor	: Floral
Odor threshold	: No data available
pH	: 7.1 - 8.1
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 140 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Vapor pressure	: No data available
Vapor density	: No data available
Specific Gravity @ 77° F	: 0.988 - 1.008
Solubility	: Soluble in water
Partition Coefficient n-Octanol-Water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available

### 9.2. Other information

VOC content : < 135 g/l CARB VOC

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available.

### 10.2. Chemical stability

Stable under recommended conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Extremely high or low temperatures. Heat. Open flame. Sparks.

### 10.5. Incompatible materials

Strong acids. Oxidizers.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Sulfur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### dipropylene glycol monomethyl ether (34590-94-8)

LD50 oral rat	5135 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg; Rat; Experimental value)
LD50 dermal rat	9500 mg/kg (Rat; Literature study; Equivalent or similar to OECD 402; >19020 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	9500 mg/kg (Rabbit; Literature study)
ATE US (oral)	5135 mg/kg body weight
ATE US (dermal)	9500 mg/kg body weight

#### 1-butoxy-2-propanol (5131-66-8)

LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	3100 mg/kg (Rabbit)
ATE US (dermal)	3100 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.  
pH: 7.1 - 8.1

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Serious eye damage/irritation	: Causes serious eye irritation. pH: 7.1 - 8.1
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after skin contact	: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Gastrointestinal complaints. Irritation of the gastric/intestinal mucosa. Irritation of the oral mucous membranes. Nausea.

## SECTION 12: Ecological information

### 12.1. Toxicity

dipropylene glycol monomethyl ether (34590-94-8)	
LC50 fish 1	> 10000 mg/l (96 h; Pimephales promelas; GLP)
LC50 other aquatic organisms 1	> 1000 mg/l (96 h; Crangon crangon)
LC50 fish 2	> 150 mg/l (72 h; Pisces)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h; Crangon crangon)
Threshold limit algae 1	969 mg/l (72 h; Selenastrum capricornutum; GLP)
Threshold limit algae 2	> 969 mg/l (72 h; Selenastrum capricornutum; GLP)
1-butoxy-2-propanol (5131-66-8)	
LC50 fish 1	1060 mg/l (Fathead minnow)
EC50 Daphnia 1	> 1000 mg/l
NOEC (acute)	560 mg/l (Daphnia magna)

### 12.2. Persistence and degradability

dipropylene glycol monomethyl ether (34590-94-8)	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
ThOD	2.06 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0 % ThOD
1-butoxy-2-propanol (5131-66-8)	
Persistence and degradability	Readily biodegradable in water.
sodium lauryl ether sulfate (68585-34-2)	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

dipropylene glycol monomethyl ether (34590-94-8)	
Log Pow	0.0043 (Experimental value; OECD 102: Melting Point/Melting Range; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
1-butoxy-2-propanol (5131-66-8)	
Log Pow	0.98 (QSAR)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
sodium lauryl ether sulfate (68585-34-2)	
Bioaccumulative potential	Not established.

### 12.4. Other adverse effects

Other information	: Avoid release to the environment.
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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with Local, State, and Federal regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### 14.1. UN Number

UN-No.(DOT) : Not Regulated  
Other information : Although product has a flash point <200° F, it is an aqueous solution and does not sustain combustion.

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not Regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

##### dipropylene glycol monomethyl ether (34590-94-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard
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##### 1-butoxy-2-propanol (5131-66-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.  
Listed on the Canadian DSL (Domestic Substances List).

SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard
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##### sodium lauryl ether sulfate (68585-34-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.  
Listed on the Canadian DSL (Domestic Substances List).

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

#### 15.2. International regulations

##### CANADA

##### 1-butoxy-2-propanol (5131-66-8)

Listed on the Canadian DSL (Domestic Substances List).

##### sodium lauryl ether sulfate (68585-34-2)

Listed on the Canadian DSL (Domestic Substances List).

#### EU-Regulations

No additional information available.

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### 15.2.2. National regulations

#### 15.3. US State regulations

Prop 65 Comments : This product contains a chemical that is at or below California's Propositions 65's "safe harbor level" as determined via a risk assessment. Therefore, the chemical is not required to

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be listed as a Prop 65 chemical on the SDS or label.

### SECTION 16: Other information

Abbreviations Legend:

H227	Combustible liquid
H315	Causes skin irritation
H319	Causes serious eye irritation

#### Disclaimer

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE 1-(808) 942-2500

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