

**Safety Data Sheet**  
 acc. to OSHA HCS

Printing date 04/29/2015

Reviewed on 01/29/2015

**1 Identification**

- **Product identifier**
- **Trade name:** Window Shine
- **Article number:** 21001
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 STARCO CHEMICAL  
 A Division of Diamond Chemical Co., Inc.  
 Union Avenue & Dubois Street  
 East Rutherford, NJ 07073  
 Telephone: 201-935-4300
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC - 1-800-535-5053

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Eye Irrit. 2B H320 Causes eye irritation.

- **Label elements**
- **GHS label elements**  
 The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**  
 Harmful if swallowed.  
 Causes eye irritation.
- **Precautionary statements**  
 If medical advice is needed, have product container or label at hand.  
 Keep out of reach of children.  
 Read label before use.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If swallowed: Call a poison center/doctor if you feel unwell.  
 If eye irritation persists: Get medical advice/attention.  
 Rinse mouth.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

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· Classification system:  
· NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)



Health = 0  
Fire = 0  
Reactivity = 0

· Other hazards  
· Results of PBT and VPB assessment  
· PBT: Not applicable.  
· VPB: Not applicable.

**3 Composition/Information on ingredients**

· Chemical characterization: Mixtures  
· Description: Mixture of the substances listed below with nonhazardous additions.

Components:	
67-63-0	propan-2-ol
111-76-2	2-butoxyethanol
Prop. %	Prop. %

**4 First-aid measures**

· Description of first aid measures  
· After inhalation: Supply fresh air; consult doctor in case of complaints.  
· After skin contact: Generally the product does not irritate the skin.  
· After eye contact: Rinse opened eye for several minutes under running water.  
· After swallowing: If symptoms persist consult doctor.  
· Information for doctor:  
· Most important symptoms and effects, both acute and delayed  
· No further relevant information available.  
· Indication of any immediate medical attention and special treatment needed  
· No further relevant information available.

**5 Fire-fighting measures**

· Extinguishing media  
· Suitable extinguishing agents:  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
· Special hazards arising from the substance or mixture No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

67-63-0 propan-2-ol	
PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm
BEI	
111-76-2 2-butoxyethanol	
PEL	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm Skin

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REL	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm
TLV	Long-term value: 97 mg/m <sup>3</sup> , 20 ppm
BEI	

**Ingredients with biological limit values:**

BEI	40 mg/L
Medium:	urine
Time:	end of shift at end of workweek
Parameter:	Acetone (background, nonspecific)
<b>111-76-2-butoxyethanol</b>	
BEI	200 mg/creatinine
Medium:	urine
Time:	end of shift
Parameter:	Butoxyacetic acid with hydrolysis

**Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

**Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Goggles recommended during refilling.

**9 Physical and chemical properties**

**Information on basic physical and chemical properties**

- **Appearance:**
- **Form:**
- **Color:**
- **Odor:**
- **Odour threshold:**

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· pH-value at 20 °C (68 °F):	10
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	425 °C (797 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C (68 °F):	23 hPa (17 mm Hg)
· Density at 20 °C (68 °F):	1 g/cm <sup>3</sup> (8.345 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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**11 Toxicological information**

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
- Carcinogenic categories
- NTP (National Toxicology Program)
- None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration)
- None of the ingredients is listed.

**12 Ecological information**

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- Additional ecological information:
- General notes:
- Water hazard class 1 (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and VpB assessment
- PBT: Not applicable.
- VpB: Not applicable.
- Other adverse effects: No further relevant information available.

**13 Disposal considerations**

- Waste treatment methods
- Recommendation:
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

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## 14 Transport information

· UN-Number	
· DOT, ADN, IMDG, IATA	not regulated
· UN proper shipping name	
· DOT, ADN, IMDG, IATA	not regulated
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· DOT, IMDG, IATA	not regulated
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

## 15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture	
· Sara	
· Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
· Proposition 65	
· Chemicals known to cause cancer:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
· Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
· Carcinogenic categories	
· EPA (Environmental Protection Agency)	
111-76-2   2-butoxyethanol	NL
· TLV (Threshold Limit Value established by ACGIH)	
67-63-0   propan-2-ol	A4
111-76-2   2-butoxyethanol	A3

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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word Warning**

· **Hazard statements**

Harmful if swallowed.

Causes eye irritation.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If swallowed: Call a poison center/doctor if you feel unwell.

If eye irritation persists: Get medical advice/attention.

Rinse mouth.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 04/29/2015 / -

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B