

# SAFETY DATA SHEET

## Glass Cleaner

### Section 1. Identification

**GHS product identifier** : GLASS-05 Glass Cleaner  
**Other means of identification** : GLASS-05  
**Product type** : Liquid.

#### Identified uses

Glass cleaner.

**Supplier's details** : Nexgen Global LLC  
3753 Howard Hughes Parkway  
Suite 200  
Las Vegas, Nevada 89169  
  
(386) 957-1857  
support@getnexgen.com

**Emergency telephone number (with hours of operation)** : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887 (24/7)

### Section 2. Hazards identification

**OSHA/HCS status** : (EC 1272/2008)

<b>Classification of the substance or mixture</b>	: Physical hazards	Not Classified
	Health hazards	Not Classified
	Environmental hazards	Not Classified
	Eye irritation	Category 2B

#### GHS label elements

##### Hazard pictograms

**Signal word** : Warning  
**Hazard statements** : Causes eye irritation.

#### Precautionary statements

**Prevention** : Prevention:  
Wash skin thoroughly after handling.



## Section 2. Hazards identification

- Response** : 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
- Storage** : Store locked up. Store in a well-ventilated place. Keep cool.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

### CAS number/other identifiers

- CAS number** : Not applicable. :
- Product code** Glass-05

Ingredient name	%	CAS number
Isopropyl alcohol	10 - 30	67-63-0
2-Butoxyethanol	1 - 5	111-76-2
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	0.1 - 1	68439-57-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Rinse eyes with plenty of water.
- Inhalation** : Get medical attention if symptoms occur
- Skin contact** : Rinse with plenty of water
- Ingestion** : Rinse mouth. Get medical attention if symptoms occur

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects



## Section 4. First aid measures

- Eye contact** : Causes eye irritation.
- Inhalation** : May cause drowsiness and dizziness.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Irritating to mouth, throat and stomach.

### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea  
headache  
drowsiness/fatigue  
dizziness
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media** : None Known

**Specific hazards arising from the chemical** : Not flammable or combustible

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : Use personal protective equipment.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment



## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : Keep unnecessary personnel from entering.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid contact with soil, waterways, drains and sewers.

### Methods and materials for containment and cleaning up

**Spill** : Stop leak if without risk. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Wash hands thoroughly after handling

**Advice on general occupational hygiene** : Workers should wash hands and face before eating, drinking and after handling. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Keep out of reach of children. Do not store in unlabeled containers.



## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Isopropyl alcohol	<b>ACGIH TLV (United States, 6/2013).</b> STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours. <b>NIOSH REL (United States, 4/2013).</b> STEL: 1225 mg/m <sup>3</sup> 15 minutes. STEL: 500 ppm 15 minutes. TWA: 980 mg/m <sup>3</sup> 10 hours. TWA: 400 ppm 10 hours. <b>OSHA PEL (United States, 2/2013).</b> TWA: 980 mg/m <sup>3</sup> 8 hours. TWA: 400 ppm 8 hours.
2-Butoxyethanol	<b>ACGIH TLV (United States, 6/2013).</b> TWA: 20 ppm 8 hours. <b>NIOSH REL (United States, 4/2013). Absorbed through skin.</b> TWA: 24 mg/m <sup>3</sup> 10 hours. TWA: 5 ppm 10 hours. <b>OSHA PEL (United States, 2/2013). Absorbed through skin.</b> TWA: 240 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : No special protective equipment required

### Skin protection

**Hand protection** : No special protective equipment required

**Body protection** : No special protective equipment required

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



## Section 8. Exposure controls/personal protection

**Respiratory protection** : No personal respiratory protective equipment normally required.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid. [Thin.]  
**Color** : Blue.  
**Odor** : Alcohol.  
**Odor threshold** : Not available.  
**pH** : 7-8.5.  
**Melting point** : Not available.  
**Boiling point** : Not available.  
**Flash point** : Closed cup: 23 to 37.8°C (73.4 to 100°F) [Pensky-Martens.]  
**Evaporation rate** : Not available.  
**Flammability (solid, gas)** : Not available.  
**Lower and upper explosive (flammable) limits** : Not available.  
**Vapor pressure** : Not available.  
**Vapor density** : Not available.  
**Relative density** : Not available.  
**Solubility** : Not available.  
**Partition coefficient: n-octanol/water** : Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Thin.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : None known

**Incompatible materials** : None known

**Hazardous decomposition products** : Decomposition products may include the following materials:  
Carbon oxides



## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Isopropyl alcohol	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
2-Butoxyethanol	LC50 Inhalation Vapor	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Isopropyl alcohol	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
2-Butoxyethanol	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-

#### Sensitization

There is no data available.

#### Carcinogenicity

##### Classification

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Isopropyl alcohol	None.	3	-	A4	-	-
2-Butoxyethanol	-	3	-	A3	-	-

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Isopropyl alcohol	Category 3	Not applicable.	Narcotic effects

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

- Eye contact** : Causes eye irritation.
- Inhalation** : May cause drowsiness and dizziness.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Irritating to mouth, throat and stomach.

#### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness



## Section 11. Toxicological information

- Inhalation** : Adverse symptoms may include the following:  
nausea  
headache  
drowsiness/fatigue  
dizziness
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

#### Potential chronic health effects

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	5882.4 mg/kg
Dermal	7333.3 mg/kg
Inhalation (vapors)	366.7 mg/L

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Isopropyl alcohol	Acute LC50 1400000 to 1950000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
2-Butoxyethanol	Acute LC50 1400000 µg/l	Fish - Gambusia affinis	96 hours
	Acute EC50 >1000 mg/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000 mg/L Marine water	Crustaceans - Chaetogammarus marinus - Young	48 hours
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
	Acute EC50 4.53 mg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours

### Persistence and degradability

There is no data available.



## Section 12. Ecological information

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Isopropyl alcohol	0.05	-	low
2-Butoxyethanol	0.81	-	low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : There is no data available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : Diluted product can be flushed to sanitary sewer  
Dispose of in accordance with local, state, and federal regulations

## Section 14. Transport information

	DOT Classification	IMDG	IATA
<b>UN number</b>	UN1219	UN1219	UN1219
<b>UN proper shipping name</b>	ISOPROPANOL, Solution.	ISOPROPANOL, Solution.	ISOPROPANOL, Solution.
<b>Transport hazard class(es)</b>	Land transport (DOT) Not dangerous goods	Land transport (DOT) Not dangerous goods	Land transport (DOT) Not dangerous goods
<b>Packing group</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>Environmental hazards</b>	No.	No.	No.
<b>Additional information</b>	-	<b>Emergency schedules (EmS)</b> F-E, S-D	-

**AERG** : 129



## Section 14. Transport information

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Not dangerous goods

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Isopropyl alcohol	10 - 30	No.	No.	No.	No.	No.
2-Butoxyethanol	1 - 5	No.	No.	No.	No.	No.
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	0.1 - 1	No.	No.	No.	No.	No.

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	Isopropyl alcohol 2-Butoxyethanol	67-63-0 111-76-2	10 - 30 1 - 5
<b>Supplier notification</b>	Isopropyl alcohol 2-Butoxyethanol	67-63-0 111-76-2	10 - 30 1 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.



## Section 15. Regulatory information

### State regulations

- Massachusetts** : The following components are listed: Isopropyl alcohol; 2-Butoxyethanol
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: Isopropyl alcohol; 2-Butoxyethanol
- Pennsylvania** : The following components are listed: Isopropyl alcohol; 2-Butoxyethanol
- California Prop. 65**

No products were found.

## Section 16. Other information

### History

- Date of issue mm/dd/yyyy** : 05/15/2014
- Version** : 1
- Revised Section(s)** : Not applicable.
- Prepared by** : KMK Regulatory Services Inc.
- Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### Notice to reader

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