

Window Cleaner Concentrate

SECTION 1. IDENTIFICATION

| | |
|---|---|
| Product Identifier | Window Cleaner Concentrate |
| Other Means of Identification | 6635 |
| Recommended Use | Glass Cleaner. |
| Restrictions on Use | No information available. |
| Manufacturer/Supplier Identifier | Sunburst Chemicals, Inc., 220 W. 86th St., Bloomington, MN, 55420, 952-884-3144 |
| Emergency Phone No. | Emergency Telephone Number, 1-866-303-6943 |
| SDS No. | 0003 |

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 3; Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2A

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Harmful if inhaled.
Causes skin and eye irritation.
Flammable liquid and vapour.

Precautionary Statement(s):

Prevention:
Avoid breathing dust/fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Wash hands and skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Take action to prevent static discharges.
Use explosion-proof equipment.

General Advice

IF exposed or concerned: Get medical attention/advice

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Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Skin

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

IF exposed or concerned: Get medical advice/attention.

Inhalation

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE or doctor if you feel unwell.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage:

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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

Other Hazards

Not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | % | Other Identifiers |
|--------------------|-----------|---------|-------------------|
| 2-Butoxyethanol | 111-76-2 | 5-20 | |
| Isopropyl alcohol | 67-63-0 | 5-10 | |
| Ammonium hydroxide | 1336-21-6 | 0.1-1.0 | |

Notes

PRODUCT AT USE DILUTION

Contains ingredients listed above at weight % less than 20%

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If symptoms persist, call a physician.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the

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eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Slippery feeling, burning sensation on skin or eyes.

Immediate Medical Attention and Special Treatment

Special Instructions

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Flammable. Vapours may travel to source of ignition and flash back. Vapours may form explosive mixtures with air. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become slippery.

Environmental Precautions

Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information. Dispose of contents/container to an approved waste disposal plant.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

Collect and reuse if possible. Following product recovery, flush area with water.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product, or its use solutions.

Conditions for Safe Storage

Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|-------------------|------------|------|----------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| 2-Butoxyethanol | 20 ppm | | 50 ppm | | | |
| Isopropyl alcohol | 200 ppm | | 400 ppm | | | |

Appropriate Engineering Controls

Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Rubber or vinyl gloves recommended when handling solid chemicals or their use solutions.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|--|--|
| Appearance | Blue. |
| Odour | Solvent |
| Odour Threshold | Not available |
| pH | 9.5 - 11.5 |
| Melting Point/Freezing Point | Not available (melting); Not applicable (freezing) |
| Initial Boiling Point/Range | 92.2 °C (198.0 °F) |
| Flash Point | Not available |
| Evaporation Rate | Not applicable |
| Flammability (solid, gas) | Flammable solid. |
| Upper/Lower Flammability or Explosive Limit | Not applicable (upper); Not applicable (lower) |
| Vapour Pressure | Not applicable |
| Vapour Density (air = 1) | Not applicable |
| Relative Density (water = 1) | Not available |
| Solubility | Soluble in water; Not available (in other liquids) |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not applicable |
| Auto-ignition Temperature | Not applicable |
| Decomposition Temperature | Not available |
| Viscosity | Not applicable (kinematic); Not applicable (dynamic) |
| Other Information | |
| Physical State | Liquid |
| Use Dilution | Use dilution pH is 8.0 - 10.5 pH |
| VOC Content | VOC Content (%) = <25% |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

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Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Heat. Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eye contact; skin contact.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|--------------------|-----------------------------------|------------------|--------------------|
| 2-Butoxyethanol | 2.21 mg/L (rat) (4-hour exposure) | 470 mg/kg (rat) | 400 mg/kg (rabbit) |
| Isopropyl alcohol | 19000 ppm (rat) | 4396 mg/kg (rat) | 12870 mg/kg (rat) |
| Ammonium hydroxide | Not available | 350 mg/kg (rat) | Not available |

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Skin Corrosion/Irritation

Causes skin irritation.

Serious Eye Damage/Irritation

Causes serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause irritation of respiratory tract.

Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information available.

Respiratory and/or Skin Sensitization

No information available.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|-------------------|---------|--------|-----|--------|
| 2-Butoxyethanol | Group 3 | A3 | | |
| Isopropyl alcohol | Group 3 | | | Listed |

Group 3 – Not classifiable as to its carcinogenicity to humans. A3 – Confirmed animal carcinogen.

Reproductive Toxicity

Development of Offspring

No information was located.

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Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

Not mutagenic.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful, with long lasting effects to aquatic life, based on acute toxicity tests.

Persistence and Degradability

No information available.

Bioaccumulative Potential

No information available.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

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

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Environmental Hazards Not applicable

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION**Safety, Health and Environmental Regulations****Canada****Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

USA**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

SARA Title III - Section 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

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Chemical Name CAS-No Weight % SARA 313 - Threshold Values %
2-Butoxyethanol 111-76-2 5-20 1.0.

SARA Title III - Section 311/312:

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

California Proposition 65
This product contains no Proposition 65 chemicals.

U.S. EPA Label Information
EPA Pesticide Registration Number :
Not applicable.

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

CWA - Hazardous Substances :. (2-Butoxyethanol)
CWA - Hazardous Substances :. (Ammonium hydroxide)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Hazardous Substances RQs:
2-Butoxyethanol 5000 lb final RQ/ RQ 2270 kg final RQ
Ammonium hydroxide 1000 lb final RQ/ RQ 454 kg final RQ

U.S. State Right-to-Know Regulations

New Jersey Right To Know:. (2-Butoxyethanol)
Massachusetts Right To Know:. (2-Butoxyethanol)
Pennsylvania Right To Know:. (2-Butoxyethanol)
Illinois Right to Know:. (2-Butoxyethanol)
Rhode Island:. (2-Butoxyethanol)

New Jersey Right To Know:. (Isopropyl alcohol)
Massachusetts Right To Know:. (Isopropyl alcohol)
Pennsylvania Right To Know:. (Isopropyl alcohol)
Rhode Island:. (Isopropyl alcohol)

New Jersey Right To Know:. (Ammonium hydroxide)
Massachusetts Right To Know:. (Ammonium hydroxide)
Pennsylvania Right To Know:. (Ammonium hydroxide)

SECTION 16. OTHER INFORMATION

| | | | |
|------------------------------|-----------------------|-------------------------|------------------------|
| NFPA Rating | Health - 2 | Flammability - 2 | Instability - 0 |
| SDS Prepared By | SunBurst Chemicals | | |
| Phone No. | 952-884-3144 | | |
| Date of Preparation | October 11, 2017 | | |
| Date of Last Revision | July 19, 2016 | | |
| Revision Indicators | Update using CanWrite | | |

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