

# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** Glass Cleaner

**Chemical Name/Synonyms:** N/A

**Distributor Company:** Worthy Promotional Products

**Product Code:** WP-1229-F

**In emergency call 911.**

**For information about this SDS, use this department contact phone#:** 334-541-4070

**Recommended use of the chemical and restrictions on use:**

**Recommended use:** Glass Cleaner

**Restrictions on use:** This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonable use. Cosmetics and consumer products, dined by regulations around the world, are exempt from the requirements of an SDS for the consumer. Although this product is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposure such as large spills. Retain this SDS for employees and other users. For specific intended-use guidance, refer to the information provided on the package.

## Section 2: Hazard(s) Identification

**GHS Classification:**

Flammable liquids:	Category 2
Eye irritation:	Category 1, 2A, & 2B
Skin irritation:	Category 1, 1A, & 2
Harmful to aquatic life:	Category 3

**GHS Label Elements:**



**Signal Word(s):**

Warning

**Hazard Statements:**

H225 Highly flammable liquid and vapor.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318, H319, H320 Causes serious eye irritation.  
H402 Harmful to aquatic life

**Precautionary Statements:**

**Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment  
P242 Use only non-sparking tools  
P243 take precautionary measures against static discharge.  
P260 Do not breathe dust, vapors.

P264 Wash exposed skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear eye protection, face protection, protective clothing, protective gloves.

**Response:**

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor  
 P337 + P313 If eye irritation persists: Get medical advice/attention.  
 P363 Wash contaminated clothing before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**

P402 + P404 Store in a dry place. Store in a closed container.  
 P403 + P235 Store in well-ventilated place. Keep container tightly closed. Keep cool.  
 P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to an approved waste disposal plant.

**Description of other hazards:**

None known.

**Section 3: Composition/ Information on Ingredients**

Hazardous Ingredients

Chemical Name	Synonym	CAS#	Percentage (%)
Ammonium Lauryl Sulfate	No Information Available	2235-54-3	<1%
Ethanol	Denatured Alcohol	64-17-5	< 4%
Sodium Hydroxide	No Information Available	1310-73-2	< 1%
Sodium Bicarbonate	No Information Available	144-55-8	<1 %

**Section 4: First-Aid Measures**

**General advice:** Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with labored breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. Do not leave victim unattended.

**If inhaled:** Move to fresh air. If symptoms persist, call a physician.

**In case of skin contact:** Wash off immediately with soap and water while removing all contaminated clothes and shoes. Wash contaminated clothing before re-use.

**In case of eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.

**If swallowed:** Thoroughly rinse mouth with water (only if person is conscious). Do not give anything by mouth to an unconscious person. Do not induce vomiting. Seek immediate medical attention.

**Most important symptoms and effects, both acute and delayed:** Causes serious eye irritation.

**Protection of first aiders:** First Aid responders should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists.

### Section 5: Fire-Fighting Measures

**Suitable extinguishing media:** Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>)

**Specific hazards during firefighting:** Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.

**Hazardous combustion products:** Carbon oxides

**Specific extinguishing methods:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Collect contaminated water fire extinguishing water separately. Do not discharge into drains. Fire residues and fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for firefighters:** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment including respiratory protection.

### Section 6: Accidental Release Measures

**Personal precautions protective equipment and emergency procedures:** Remove all sources of ignition. Use personal protective equipment; safety glasses, gloves face shield, corrosion-proof suit. Follow safe handling advice and personal protective equipment recommendations. Evacuate personnel to safe areas. Keep people away from spill. Can create slippery conditions.

**Environmental precautions:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up:** Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. Store in suitable, closed containers for disposal.

### Section 7: Handling and Storage

**Advice on safe handling:** Read label before use. Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice. Non-sparking tools should be used. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.

**Hygiene measures:** Handle in accordance with good hygiene and safety practice. Avoid contact with eyes.

**Conditions for safe storage:** Take measure to prevent the build-up of electrostatic charge. Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.

**Materials to avoid:** Do not store with the following product types: Strong oxidizing agents, Organic peroxides, Flammable solids, Pyrophoric liquids, Pyrophoric solids, Self-heating substances and mixtures, Substances and mixtures which in contact with water emit flammable gases, Explosives, or Gases.

### Section 8: Exposure Controls/Personal Protection

**Components with workplace control parameters**

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
64-17-5	Ethanol	STEL	1,000 ppm	ACGIH
		PEL	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA
1310-73-2	Sodium Hydroxide	Ceiling	2 mg/m <sup>3</sup>	ACGIH
		PEL	2 mg/m <sup>3</sup>	OSHA
		IDLH	10 mg/m <sup>3</sup>	US
		Ceiling	2 mg/m <sup>3</sup>	NIOSH

**Personal Protective Equipment**

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

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

**Eye protection:** Wear goggles/face-shield and protective suit for abnormal processing problems.

**Skin and body protection:** No special protective equipment required.

**Hygiene measures:** Choose body protection in relation to its type, to the concentration and amount of dangerous substance, and to the specific workplace. Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink, or smoke. Wash contaminated clothing before re-use.

**Section 9: Physical and Chemical Properties**

**Appearance:** Liquid

**Color:** Clear

**Odor:** Minty / Fruity

**Odor threshold:** No Information Available

**pH:** 7.0 – 8.0

**Melting point/melting range:** No Information Available

**Boiling point/boiling range:** > 70 °C

**Flash point:** > 25°C

**Evaporation rate:** No Information Available

**Flammability:** No Information Available

**Upper/lower flammability or explosive limits:** No Information Available

**Vapor pressure:** No Information Available

**Relative vapor density:** No Information Available

**Oxidizing properties:** The substance or mixture is not classified as oxidizing.

**Auto ignition temperature:** No Information Available

**Danger of explosion:** No Information Available

**Vapor pressure:** No Information Available

**Vapor density:** No Information Available

**Relative density:** No Information Available

**Solubility in/Miscibility with water:** Soluble

**Decomposition temperature:** The substance or mixture is not classified as self-reactive.

**Viscosity:** < 100 cPs

**Specific gravity:** 0.98

**Section 10: Stability and Reactivity**

**Reactivity:** Not classified as a reactivity hazard.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.

**Conditions to avoid:** Heat, flames, and sparks

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** No hazardous decomposition products are known.

### Section 11: Toxicological Information

**Information on likely routes of exposure:** Inhalation; Skin contact; Ingestion; Eye contact

**Acute toxicity:** Not classified based on available information.

**Product:**

Acute oral toxicity: Acute toxicity estimate: >5,000mg/kg

Method: Calculation method

**Ingredients:**

**Ethanol:**

Acute oral toxicity: LD50 (Rat): >5,000 mg/kg

Acute inhalation toxicity: LC50 (Rat): 124.7 mg/l

Exposure time: 4 h

Test atmosphere: vapor

**Ethanol:**

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

Method: OECD Test Guideline 405

**Ethanol:**

Test Type: Local lymph node assay (LLNA)

Routes of exposure: Skin contact

Species: Mouse

Result: Negative

**Ethanol:**

**Genetic toxicity:** Test Type: In vitro mammalian cell gene mutation test.

Result: negative

**2-Amino-2methyl-1-propanol:**

**Genetic toxicity:** Test Type: In vitro genetic toxicity studies were negative.

**Carcinogenicity:**

Not classified based on available information.

**Ethanol:**

**IARC** – No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** – No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** – No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Ethanol:**

Effects on fertility: Test Type: Two-generation reproduction toxicity study.

Species: Mouse

Application Route: Ingestion

Method: OECD Test Guideline 416

Result: negative

**STOT-single exposure:**

Not classified based on available information.

**Ethanol:**

Species: Rat

NOAEL: 2,400 mg/kg

Application Route: Ingestion

Exposure time: 2 y

**Aspiration toxicity:**

Not classified based on available information.

**Sodium Bicarbonate:**

Acute oral toxicity: :Not classified

Acute dermal toxicity :Not classified

Acute inhalation toxicity :Not classified

LD 50 oral rat: 4220 mg/kg

ATE US oral: 4220 mg/kg body weight

**Skin corrosion/irritation:**

Not classified

pH: 8.3 0.1M solution

**Serious eye damage/irritation:**

Causes eye irritation

pH: 8.3 0.1M solution

**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

**Viscosity, kinematic:**

No data available

**Likely routes of exposure:**

Ingestion. Inhalation. Skin and eye contact.

**Potential Adverse human health effects and symptoms:**

Based on available data, the classification criteria are not met

**Symptoms/effects after eye contact:**

Causes eye irritation

**Sodium Hydroxide:****Likely routes of exposure:**

Skin and eye contact

**Acute toxicity:**

Not classified

**Skin corrosion/irritation:**

Causes severe skin burns and eye damage

pH: 14 (5%)

**Serious eye damage/irritation:**

Causes serious eye damage

pH: 14 (5%)

**Respiratory or skin sensitization:**

Not classified

**Germ cell mutagenicity:**

Not classified

**Carcinogenicity:**

Not classified (Based on available data, the classification criteria are not met)

**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:**

Causes severe skin burns. Causes serious eye damage.

**Symptoms/effects after inhalation:**

WHEN PROCESSED: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. ON CONTINUOUS EXPOSURE/CONTACT: Respiratory difficulties. FOLLOWING SYMPTOMS MAY APPEAR LATER: Possible oedema of the upper respiratory tract. Possible laryngeal spasm/oedema. Risk of lung oedema.

**Symptoms/effects after skin contact:**

Blisters. Caustic burns/corrosion of the skin. Slow-healing wounds.

**Symptoms/effects after eye contact:**

Corrosion of the eye tissue. Permanent eye damage.

**Symptoms/effects after ingestion:**

Dry/sore throat. Nausea. Abdominal pain. Blood in vomit. Difficulty in swallowing. Possible esophageal perforation. Burns to the gastric/intestinal mucosa. Bleeding of the gastrointestinal tract. Shock.

**Chronic symptoms:**

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Skin rash/inflammation. Possible inflammation of the respiratory tract. Gastrointestinal complaints.

**Ammonium Lauryl Sulfate:**

**Routes of Exposure:**

Eye: Irritant  
Skin: Irritant  
Inhalation: Unknown  
Ingestion: Unknown

**Acute Oral Toxicity:** LD50 Rat: 967-4000 mg/kg

**Acute Dermal Toxicity:** LD50 Rabbit: >2,000 mg/kg

**Exposure Effects:**

Not applicable

**Exposure Symptoms:**

Irritation to skin and eyes.

**Carcinogenicity:**

This chemical is not considered to be carcinogenic by NTP, IARC, or OSHA.

**Section 12: Ecological Information (non-mandatory)**

**Ecotoxicity:**

**Ingredients:**

**Ethanol:**

No data available.

**Sodium Bicarbonate:**

LC50 Fish: 8250 – 9000 mg/l

EC50 Daphnia: 2350 mg/l

**Sodium Hydroxide:**

LC50 Fish: 45.4 mg/l (Other, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value)

EC50 Daphnia: 40.4 mg/l (Other, 48 h, Ceriodaphnia sp., Experimental value)

**Ammonium Lauryl Sulfate:**

EC50 Algae: >20mg/l 72 h

EC50 Daphnia: 1.37-4.7 mg/l 48 h

LC50 Fish: 2.85-3.6 mg/l 96 h

**Persistence and degradability:**

**Ingredients:**

**Ethanol:**

No data available.

**Bioaccumulative potential:**

**Ingredients:**

**Ethanol:**

No data available

**Sodium Hydroxide:**

Bioaccumulation:

Not bioaccumulative

**Sodium Bicarbonate:**

Bioaccumulation:

Not established

**Mobility in soil:**

**Ingredients:**

**Ethanol:**

No data available

**Other adverse effects:**

Avoid contaminating waterways

**Section 13: Disposal Considerations (non-mandatory)**

**Waste disposal recommendations:**

Waste from residues: Dispose of in accordance with local regulations.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum.

**Section 14: Transport Information (non-mandatory)**

**International Regulation:** ship according to local regulations.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation :** ship according to local regulations.

**Section 15: Regulatory Information (non-mandatory)**

**Dispose of in accordance to local regulations.**

**Section 16: Other Information**

**SDS date of preparation/update:** 2/23/2021

**Revision:** 1.1

Disclaimer

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