



# Safety Data Sheet

Issue Date: 22-Mar-2016

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Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** C-25 Glass cleaner concentrate

### Other means of identification

**SDS #** RE-006

**UN/ID No** UN1993

**Recommended use of the chemical and restrictions on use**  
cleaner.

**Recommended Use** Glass

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Robbie Enterprises, Inc.  
12708 Milwaukee Ave.  
Lubbock, TX 79424

### Emergency Telephone Number

#### **Company Phone Number**

(806) 794-4505

#### **Emergency Telephone (24 hr)**

INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear blue liquid

**Physical state** Liquid

**Odor** Cranberry, Characteristic alcohol

odor

### Classification

The classification and labeling information in this Safety Data Sheet should be viewed as provisional, as the product's ingredients and percentages are kept as a trade secret / proprietary.

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 3

### Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed May  
be harmful if inhaled

### Signal Word

Warning

### Hazard statements

Causes skin irritation  
Causes serious eye irritation  
May cause drowsiness or dizziness  
Flammable liquid and vapor



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

**Precautionary Statements - 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  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
If skin irritation occurs: Get medical advice/attention  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a poison center or doctor/physician if you feel unwell  
IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Ethyl Alcohol	64-17-5	20-30
Isopropyl Alcohol	67-63-0	20-30
Ethylene Glycol Monobutyl Ether	111-76-2	10-15

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

#### 4. FIRST-AID MEASURES

##### First Aid Measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	Remove contaminated clothing. Wash off immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth. Immediately call a poison center or doctor/physician.

##### Most important symptoms and effects

<b>Symptoms</b>	Causes eye and skin irritation. Irritating to mouth, throat and stomach. May cause drowsiness or dizziness. May be harmful if swallowed. May be harmful if inhaled.
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##### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water. BC/ABC extinguisher may be used in area where material is stored. Synthetic foam.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical** Flammable liquid and vapor.

##### Explosion Data

**Sensitivity to Static Discharge** Take precautionary measures against static discharge.

##### Protective equipment and precautions for firefighters

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

#### 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Use personal protection recommended in Section 8. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). **Environmental precautions**

**Environmental precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

#### **Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Use non-sparking hand tools and explosion-proof electrical equipment. Collect and reuse if possible. Contain and collect with an inert absorbent and place into an appropriate container for disposal. Clean up in accordance with all applicable regulations.

### **7. HANDLING AND STORAGE**

#### **Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Keep containers closed when not in use. Avoid breathing dust/fume/gas/mist/vapors/spray. Surfaces subject to spills of this product can become slippery. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use non-sparking hand tools and explosion-proof electrical equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

#### **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Store locked up.

**Incompatible Materials** Strong oxidizing agents.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

#### **Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

#### **Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Protective eyewear recommended. Refer to 29 CFR 1910.133 for eye and face protection regulations.
<b>Skin and Body Protection</b>	Chemical resistant gloves recommended. Refer to 29 CFR 1910.138 for appropriate skin and body protection.
<b>Respiratory Protection</b>	No protection is ordinarily required under normal conditions of use and with adequate ventilation. Use NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
<b>General Hygiene Considerations</b>	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid		
<b>Appearance</b>	Clear blue liquid	<b>Odor</b>	Cranberry, Characteristic alcohol odor
<b>Color</b>	Clear blue	<b>Odor Threshold</b>	Not determined

### Property

**Note: These physical properties are Remarks • Method typical values for this product and not specifications**

<b>pH</b>	7.5-7.8
<b>Melting Point/Freezing Point</b>	Not determined
<b>Boiling Point/Boiling Range</b>	Not determined
<b>Flash Point</b>	48.8-82.22 °C / 120-180 °F
<b>Evaporation Rate</b>	Not determined
<b>Flammability (Solid, Gas)</b>	Not determined
<b>Flammability Limits in Air</b>	Not determined
<b>Upper Flammability Limits</b>	
<b>Lower Flammability Limit</b>	Not determined
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	Not determined
<b>Relative Density</b>	0.888
<b>Water Solubility</b>	Miscible in water
<b>Solubility in other solvents</b>	Not determined

<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

**Other Information**

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions** None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**

Keep out of reach of children. Keep away from heat, sparks and open flame.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Causes skin irritation.
<b>Inhalation</b>	Avoid breathing vapors or mists. May be harmful if inhaled.
<b>Ingestion</b>	May cause discomfort if swallowed. May be harmful if swallowed.

**Component Information**

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Isopropyl Alcohol 67-63-0	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h

#### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X
Isopropyl Alcohol 67-63-0		Group 3		X
Ethylene Glycol Monobutyl Ether 111-76-2	A3	Group 3		

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)** A3 -

Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

**NTP (National Toxicology Program)** Known -

Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)** X -

Present

**STOT - single exposure** May cause drowsiness or dizziness.

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 2,221.00 mg/kg

**ATEmix (dermal)** 5,499.00 mg/kg

**ATEmix (inhalation-dust/mist)** 10.50 mg/L

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Toxic to aquatic life with long lasting effects.

#### Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethyl Alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50

Isopropyl Alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	1400000: 96 h Lepomis macrochirus µg/L LC50 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static	13299: 48 h Daphnia magna mg/L EC50
Ethylene Glycol Monobutyl Ether 111-76-2		2950: 96 h Lepomis macrochirus mg/L LC50 1490: 96 h Lepomis macrochirus mg/L LC50 static	1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

**Persistence/Degradability** Not determined.

**Bioaccumulation** Not determined.

#### **Mobility**

Chemical Name	Partition Coefficient
Ethyl Alcohol 64-17-5	-0.32
Isopropyl Alcohol 67-63-0	0.05
Ethylene Glycol Monobutyl Ether 111-76-2	0.81

**Other Adverse Effects** Not determined

### **13. DISPOSAL CONSIDERATIONS**

#### **Waste Treatment Methods**

##### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

##### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic Ignitable
Isopropyl Alcohol 67-63-0	Toxic Ignitable

### **14. TRANSPORT INFORMATION**

#### **Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

#### **DOT**

UN/ID No UN1993  
Proper Shipping Name Flammable liquid, n.o.s. (Ethyl alcohol, Isopropanol)  
Hazard Class 3



Packing Group III

#### IATA

UN/ID No UN1993  
Proper Shipping Name Flammable liquid, n.o.s. (Ethyl alcohol, Isopropanol)  
Hazard Class 3  
Packing Group III

#### IMDG

UN/ID No UN1993  
Proper Shipping Name Flammable liquid, n.o.s. (Ethyl alcohol, Isopropanol)  
Hazard Class 3  
Packing Group III  
Marine Pollutant This material may meet the definition of a marine pollutant

### 15. REGULATORY INFORMATION

#### International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethyl Alcohol	X	X	X	Present	X	Present	X	X
Isopropyl Alcohol	X	X	X	Present	X	Present	X	X
Ethylene Glycol Monobutyl Ether	X	X	X	Present	X	Present	X	X

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

#### US Federal Regulations

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### SARA 313

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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl Alcohol - 67-63-0	67-63-0	20-30	1.0

Ethylene Glycol Monobutyl Ether - 111-76-2	111-76-2	10-15	1.0
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#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **US State Regulations**

##### **California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethyl Alcohol - 64-17-5	Carcinogen Developmental

##### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethyl Alcohol 64-17-5	X	X	X
Isopropyl Alcohol 67-63-0	X	X	X
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X

## **16. OTHER INFORMATION**

#### **NFPA**

**Health Hazards** 2  
**Flammability** 2

**Instability** 0

**Special Hazards**

#### **HMIS**

**Health Hazards** Not determined  
**Flammability** Not determined

**Physical hazards** Not determined

Not determined  
**Personal Protection** Not determined

**Issue Date:** 22-Mar-2016  
**Revision Date:** 27-Mar-2016  
**Revision Note:** New format

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**