

MATERIAL SAFETY DATA SHEET

OSHA - Meets 29 CFR 1910.1200 Standards



HMIS HAZARD RATINGS

HEALTH	1	* = Chronic Health Hazard	2 = MODERATE
FLAMMABILITY	3	0 = INSIGNIFICANT	3 = HIGH
PHYSICAL HAZARD	0	1 = SLIGHT	4 = EXTREME

TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:	Isopropyl alcohol mixture		
HAZARD CLASS / PKG GRP:	3 / II	REF:	49 CFR 173.150, .202, .242
IDENTIFICATION NUMBER:	UN 1219	LABEL:	FLAMMABLE LIQUID

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

C - 25 GLASS CLEANER CONCENTRATE

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MANUFACTURER'S NAME

Robbie Enterprises, Inc.

EMERGENCY TELEPHONE NUMBER

CHEM • TEL (800) 255-3924 Outside USA (813) 248-0585

ADDRESS (NUMBER, STREET, P.O. BOX)

12708 CR 1700

TELEPHONE NUMBER FOR INFORMATION

(806) 794-4505

(CITY, STATE AND ZIP CODE)

Lubbock, TX 79424

DATE PREPARED: February 14, 2006

SUPERSEDES: New

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS

(SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))

CAS #

%

(OPTIONAL)

OSHA PEL

PPM

MG/M3

ACGIH TWA

PPM

MG/M3

SARA

TITLE III

RQ

LBS

Isopropyl alcohol

67-63-0

15 - 40

400

980

400

Ethanol

64-17-5

15 - 40

1000

1900

1000

Ethylene glycol monobutyl ether (a,b)

111-76-2

7 - 13

50

240

20

Yes

(a) A "Yes" in the SARA TITLE III column in Section 2 indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

(b) Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves, coveralls, goggles, or other appropriate equipment.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: High concentrations may cause dizziness, drowsiness, nausea, and vomiting.

Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

SKIN: Brief contact may cause slight irritation; no evidence of other adverse effects from available information.

Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Contact may cause minor irritation.

Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: Causes dizziness, drowsiness, decreased reaction, euphoria, nausea, vomiting, staggering gait, and coma. Ingestion of a large quantity of this product will result in methyl alcohol poisoning.

Give two glasses of water for dilution; Induce vomiting by sticking fingers down throat; never give anything by mouth to an unconscious person; seek medical attention.

CARCINOGENICITY

NTP?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986 - there are no chemicals present known to the state to cause cancer or reproductive toxicity.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

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Date: February 14, 2006

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)
58° F (14.4° C) TCC

NFPA RATING
IB

FLAMMABLE LIMITS	
LEL: 3.3%	UEL: 19.0%

EXTINGUISHING MEDIA
Carbon dioxide, water, water fog, dry chemical, chemical foam.

SPECIAL FIRE FIGHTING PROCEDURES

Self - contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat. Caution - material is flammable!

UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers can explode due to buildup of pressure when exposed to extreme heat. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back.

SECTION 5 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION- FLAMMABLE - Evacuate and ventilate area; remove all sources of sparks, ignition and open flames; confine and absorb into approved absorbent; place material into approved containers for disposal; do not wash to sewer or waterway. Refer to SARA Title III, Section 313 40 CFR 372 for detailed instructions concerning reporting requirements. Do not discharge into lakes, ponds, streams or public waters.

SECTION 6 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. CAUTION - FLAMMABLE - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers.

SECTION 7-EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not ordinarily required, however, NIOSH approved respirator recommended to prevent overexposure.. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

VENTILATION	LOCAL EXHAUST:	Not necessary
	MECHANICAL (GENERAL):	Recommended

SPECIAL: None
OTHER: None

PROTECTIVE GLOVES: Recommended for general protection	EYE PROTECTION: Chemical safety goggles.
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nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT 182° F

SPECIFIC GRAVITY (WATER = 1)
0.888

VAPOR PRESSURE (MM Hg)
35 mm Hg @ 20° C

pH	7.5 - 7.8
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VAPOR DENSITY (AIR = 1)
> 1

EVAPORATION RATE (WATER = 1)
< 1

SOLUBILITY IN WATER
Complete

% VOLATILE (BY WEIGHT)
100%

APPEARANCE AND ODOR	
Clear blue liquid, characteristic alcohol odor	

[illegible]

STABILITY	UNSTABLE:	CONDITIONS TO AVOID: Extreme temperatures, open flames, sparks.
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STABLE: XXX
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.
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HAZARDOUS POLYMERIZATION	MAY OCCUR: WILL NOT OCCUR: XXX
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CONDITIONS TO AVOID: None

SECTION 10- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.