

Material Safety Data Sheet

Glass & Surface Cleaner

Manufacturer Information

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Date Prepared:

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Hazardous Composition

CAS #	Component	Percent
64-17-5	Ethyl alcohol	1-5
Not Available	Perfume	1-5
122-99-6	Ethylene glycol monophenyl ether	1-5
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	1-5
5989-27-5	D-Limonene	0.01-0.1
77-92-9	Citric acid	0.01-0.1

Component Exposure Limits

Ethyl alcohol (64-17-5)

ACGIH: 1000 ppm STEL
OSHA: 1000 ppm TWA; 1900 mg/m3 TWA
NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA

Physical/Chemical Properties

Appearance: Colorless	Odor: Citrus
Physical State: Liquid	pH: 6.25
Vapor Pressure: ND	Vapor Density: ND
Boiling Point: ND	Melting Point: NA
Solubility (H2O): Complete	Specific Gravity: 0.99 kg/l
Evaporation Rate: ND	VOC: 3.94
Octanol/H2O Coeff.:	Flash Point: 55°-100°C
Flash Point Method: ND	Upper Flammability Limit (UFL): ND
Lower Flammability Limit (LFL):	Burning Rate: ND
Auto Ignition: ND	

Fire and Explosion

Flash Point: 55°-100°C
Upper Flammable Limit (UFL): ND
Auto Ignition: ND
Rate of Burning: ND

Method Used: ND
Lower Flammable Limit (LFL): ND
Flammability Classification:

Extinguishing Media:

Use alcohol resistant foam.

Special Fire Fighting Procedures:

Firefighters should wear full protective gear.

Material Safety Data Sheet

Glass & Surface Cleaner

Unusual Fire and Explosion Hazards:

None

Reactivity Data

Stability:

This is a stable material.

Hazardous Decomposition:

None under normal conditions.

Incompatibility:

None

Hazardous Polymerization:

Will not occur.

Conditions To Avoid:

Do not store <0°C and >40°C.

Health Hazard Data

Routes of Entry:

Eyes

Acute Skin Contact:

Not expected to present a significant skin hazard under anticipated conditions of normal use.

Chronic Skin Contact:

Not Determined.

Acute Eye Contact:

Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Acute Ingestion:

May cause headache, dizziness, and drowsiness.

Carcinogenicity:

Component Carcinogenicity

Ethyl alcohol (64-17-5)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

IARC: Monograph 100E [in preparation] (in alcoholic beverages); Monograph 96 [in preparation] (in alcoholic beverages) (Group 1 (carcinogenic to humans))

D-Limonene (5989-27-5)

IARC: Monograph 73 [1999] (overall evaluation downgraded from 2B to 3 with supporting evidence from other relevant data) (Group 3 (not classifiable))

Medical Conditions Aggravated by Exposure:

None

EMERGENCY & FIRST AID PROCEDURES

Ingestion:

In case of ingestion of large quantities, drink plenty of water and seek medical attention. Do not induce vomiting!

Inhalation:

Move to non-contaminated air.

Skin Contact:

Flush with plenty of water.

Eye Contact:

Rinse immediately with plenty of water.

Material Safety Data Sheet

Glass & Surface Cleaner

Precautions for Safe Handling and Use

Steps to taken in case of release or spill:

Stop the flow of material, if this is without risk. Isolate area. Keep unnecessary personnel away. Absorb spill with sand or inert material. Avoid release to the environment.

Waste Disposal Method:

Waste of this product is considered chemical waste. The legislation concerning disposal of waste can differ from one country/state to another. The disposal should therefore be done according to national or local waste legislation. If in doubt, ask the local waste management authority for advice.

Handling and Storage

Keep away from sparks, open fire and oxidizing agents. Wear suitable gloves in case of frequent contact with undiluted product. No smoking. Store in a cool, well ventilated and fireproof area, in tightly closed original packaging. Do not store in direct sunlight. Keep out of the reach of children.

Transportation Information:

US DOT Information

Shipping Name: Not Regulated

Control Measures

Respiratory:

None required under normal product use conditions.

Monitoring:

Not Applicable.

Medical Surveillance:

Not Applicable.

Skin:

Wear waterproof gloves (preferably neoprene or nitrile rubber) in case of intensive use or contact with undiluted product.

Eyes:

None needed under normal product use conditions.

Ventilation Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Other Information:

Additional Information

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