

Material Safety Data Sheet

Material Name: Greenworks Jumbo Glass and Surface Cleaner

*** Section 1 - Chemical Product and Company Identification ***

Distributor Information

Uline
2200 S. Lakeside Dr
Waukegan, IL 60085

Phone: 847-473-3000
Fax: 847-473-5157

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye and skin irritation.

Potential Health Effects: Eyes

Eye contact may result in temporary conjunctival redness.

Potential Health Effects: Skin

May cause skin irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use conditions. May cause gastrointestinal irritation.

Potential Health Effects: Inhalation

None anticipated under normal product use conditions.

HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

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

CAS #	Component	Percent
64-17-5	Ethyl alcohol	1-3

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Flush eyes with plenty of water for 15 minutes. If irritation persists, call a doctor.

First Aid: Skin

Wash skin with water.

First Aid: Ingestion

Drink a glassful of water, do not induce vomiting. Call a doctor or poison control center.

First Aid: Inhalation

Move person to fresh air. If breathing problems develop, call a doctor.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None

Hazardous Combustion Products

Not Determined

Extinguishing Media

Dry chemical, carbon dioxide (CO₂), foam, or water spray.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop the flow of material, if this is without risk.

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Clean-Up Procedures

Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid prolonged skin exposure. Wash hands after direct contact. Do not wear product contaminated clothing for prolonged periods.

Storage Procedures

No special storage procedures needed.

*** Section 8 - Exposure Controls / Personal Protection ***

A: 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

Engineering Controls

Use local exhaust to minimize exposure to product mist.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses.

Personal Protective Equipment: Skin

Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.

Personal Protective Equipment: Respiratory

In situations where exposure limits may be exceeded, a NIOSH approved respirator is advised.

Personal Protective Equipment: General

None

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Clear Blue	Odor:	Light Citrus
Physical State:	Liquid	pH:	10-11
Vapor Pressure:	ND	Vapor Density:	ND
Boiling Point:	ND	Melting Point:	ND
Solubility (H₂O):	Soluble	Specific Gravity:	1.0
Evaporation Rate:	ND	VOC:	ND
Octanol/H₂O Coeff.:	ND	Flash Point:	>200°F
Flash Point Method:	Closed Cup	Upper Flammability Limit	ND
Lower Flammability Limit	ND	(UFL):	
(LFL):		Burning Rate:	ND
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

None

Incompatibility

Not Determined

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Hazardous Decomposition

Not Determined

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Ethyl alcohol (64-17-5)

Oral LD50 Rat 7060 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Ethyl alcohol (64-17-5)

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

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

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethyl alcohol (64-17-5)

Test & Species

96 Hr LC50 Oncorhynchus mykiss

12.0-16.0 ml/L

[static]

96 Hr LC50 Pimephales promelas

>100 mg/L [static]

96 Hr LC50 Pimephales promelas

13400-15100 mg/L

[flow-through]

48 Hr LC50 Daphnia magna

9268 - 14221 mg/L

24 Hr EC50 Daphnia magna

10800 mg/L

48 Hr EC50 Daphnia magna

2 mg/L [Static]

Conditions

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

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Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Ethyl alcohol	64-17-5	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Ethyl alcohol	64-17-5	0.1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Ethyl alcohol	64-17-5	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.