

Material Safety Data Sheet

Laundry Liquid

Manufacturer Information

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Hazardous Composition

CAS #	Component	Percent
64-17-5	Ethyl alcohol	5-15
Not Available	Soap	5-15
158318-69-5	Fatty acids, rape-oil, methyl esters, epoxidized	5-15
68585-47-7	Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	1-5
110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	1-5
Not Available	Perfume	0.1-1
106-22-9	Citronellol	0.01-0.1
5989-27-5	D-Limonene	0.01-0.1
78-70-6	Linalool	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: Slight yellow	Odor: Lavender
Physical State: Liquid	pH: 8.5
Vapor Pressure: ND	Vapor Density: ND
Boiling Point: ND	Melting Point: NA
Solubility (H2O): Soluble	Specific Gravity: 1.022 kg/l
Evaporation Rate: ND	VOC: 6.06
Octanol/H2O Coeff.:	Flash Point: 55-100°C
Flash Point Method: ND	Upper Flammability Limit (UFL): 19
Lower Flammability Limit (LFL): 3.4	Burning Rate: ND
Auto Ignition: ND	

Fire and Explosion

Flash Point: 55-100°C
Upper Flammable Limit (UFL): 19
Auto Ignition: ND
Rate of Burning: ND

Method Used: ND
Lower Flammable Limit (LFL): 3.4
Flammability Classification:

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Extinguishing Media:

Use alcohol resistant foam.

Special Fire Fighting Procedures:

Firefighters should wear full protective gear.

Unusual Fire and Explosion Hazards:

None

Reactivity Data

Stability:

This is a stable material.

Hazardous Decomposition:

None under normal conditions.

Incompatibility:

Acids, Oxidizers

Hazardous Polymerization:

Will not occur.

Conditions To Avoid:

Heat. Do not store <0°C and >40°C.

Health Hazard Data

Routes of Entry:

Eyes

Acute Skin Contact:

Prolonged or repeated contact may cause skin to become dry or irritated.

Chronic Skin Contact:

Not Determined.

Acute Eye Contact:

Direct contact with the eyes is likely irritating.

Acute Ingestion:

May cause abdominal pain, diarrhea, nausea, vomiting.

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 [2010] (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:

Wash out mouth and do not induce vomiting. Seek medical attention.

Inhalation:

Move person to non-contaminated air.

Skin Contact:

Flush with plenty of water. Seek medical attention if ill effect or irritation develops.

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Eye Contact:

Rinse immediately and for a long period of time with plenty of water. Seek medical attention if irritation persists.

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. Sweep up spilled material. Rinse away remainder with water. 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

Do not smoke when handling. Avoid contact with skin and eyes. 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 when cleaning spilled material. Persons with sensitive skin are also recommended to wear waterproof gloves when doing a hand wash.

Eyes:

Wear safety goggles when cleaning accidentally released material.

Ventilation Controls

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

Other Information:

Additional Information

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