

MATERIAL SAFETY DATA SHEET

Section 1: Product Name

Final Seal

Section 2: Hazardous Ingredients/Identity Information

Ingredients: SD Alcohol 40

Section 3: Hazards Identification

Health Hazards (Acute and Chronic):

Inhalation: May cause irritation to the mucous membranes of the upper respiratory tract. Exposure over 1000 ppm may cause headache, drowsiness, loss of appetite, inability to concentrate, throat irritation.

Ingestion: Can cause depression of Central Nervous System, nausea, vomiting, diarrhea, intoxication and in acute cases, death.

Eye: Liquid and vapor may cause irritation. Splashes may cause temporary pain and blurred vision.

Skin: May cause irritation, cracking, flaking, and defatting of skin on prolonged contact.

Chronic Exposure: Prolonged skin contact causes drying and cracking of skin. May affect nervous system, liver, blood, reproductive system.

Signs and Symptoms of Exposure: Headache, drowsiness, lassitude, loss of appetite, nausea, vomiting, diarrhea.

Section 4: Emergency First Aid Procedures

Ingestion: DO NOT INDUCE VOMITING. Loosen tight clothing such as a collar, tie, belt or waistband. Seek immediate medical attention.

Inhalation: Move affected individual to non-contaminated air. Loosen tight clothing such as a collar, tie, belt or waistband to facilitate breathing. Seek immediate medical attention if the individual is not breathing, is unconscious or if any other symptoms persist.

Eye/Skin: Remove contact lenses, if it can be done safely. Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention if symptoms develop or persist. Remove contaminated clothing and shoes. Wash immediately with soap and water. Obtain medical attention if extensive skin exposure has occurred and/or if irritation or pain persists.

Section 5: Fire Fighting Measures

Special Fire Fighting Procedures: Fire and explosion hazards are serious when this product is exposed to heat or flame. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

Unusual Fire and Explosion Hazards: Vapors may form explosive mixture with air. Keep container away from source of heat or fire.

Extinguishing Media: Dry chemical, foam, carbon dioxide, and water fog. Water may be an ineffective extinguishing medium and may actually spread flames.

Section 6: Accidental Release Measures

Steps to be taken in case material is released or spilled: Remove source of ignition.

Waste Disposal Method: Dispose according to local, state, and federal regulations.

Section 7: Precautions when Handling and Storing

Handling and Storing: Keep locked up or secured. Use with adequate ventilation. Do not ingest or inhale. Do not breathe gas and avoid contact with skin and eyes. After handling always wash hands thoroughly with soap and water.

Section 8: Control Measures

Respiratory Protection: Avoid prolonged or repeated breathing of vapors.

Ventilation: Keep area well ventilated.

Section 9: Physical/Chemical Characteristics

Boiling Point: 126° F

Specific Gravity (H₂O = 1): .871

Vapor Pressure: 100

Vapor Density (AIR = 1): 1.6

Evaporation Rate: 1.7

Melting Point: n/a

Solubility in Water: n/a

Appearance and Odor: Clear blue liquid, alcohol scent.

Flash Point: 67° F

Method used: TAG closed cap system

Flammable Limits: LEL: 3.3%

UFL: 19%

Extinguishing Media: Carbon dioxide or dry chemical.

Section 10: Stability and Reactivity

Stability: Stable **Conditions to Avoid:** High Temperatures **Incompatibility:** Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon dioxide, Carbon monoxide.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Carcinogenicity: n/a

IARC Monographs: n/a

OSHA Regulated: n/a

Section 12: Ecological Information

Product is volatile and biodegradable. Evaporates to moderate extent in natural waters. Bioaccumulation does not occur. Product readily biodegrades into soil and sediment. Readily degrades by reaction with photo chemically produced hydroxyl radicals, readily removed by dry and wet deposition, has half the life between 1 and 10 days.

Section 13: Disposal Considerations

This product is known to be a hazardous waste according to US and Canadian regulations. The use, mixing or processing of this product may alter this product. Contact federal, provincial/state and local authorities in order to generate or ship a waste material associated with this product to ensure materials are handled appropriately and meet all criteria for disposal of hazardous waste. Vent to a burning flame at an appropriate facility. DO NOT ATTEMPT TO DISPOSE OF BY CONTROLLED IGNITION.

Waste generator is advised to carefully consider hazardous properties and control measures needed for other materials that may be found in the waste.

Section 14: Transportation Information

US DOT INFORMATION:

Shipping Name: Ethyl Alcohol UN #: 1170 Hazard Class: 3 Packing Group: II
Required Label(s): FLAMMABLE LIQUID

IATA and ICAO INFORMATION:

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Section 15: Regulatory Information

A. International Regulations: Component Analysis - International Inventory Status

Component	CAS#	US-TSCA	CANADA - DSL	EU-EINECS
Ethyl Alcohol	64-17-5	Yes	Yes	Yes

B. USA Federal & State Regulations: Ongoing occupational hygiene, medical surveillance programs, or site emission or spill reporting may be required by Federal or State regulations. Check for applicable regulations.

USA OSHA Hazard Communication Class: This product/material is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Section 16: Other Information

Label Information: This product is harmful if it is inhaled, if it is swallowed or if liquid is aspirated into the lungs. Vapor is heavier than air and may spread long distances. Distant ignition and flashback are possible. Flammable liquid and vapor can accumulate static charge. Liquid can float on water and may travel to distant locations and or spread fire. This product causes irritation to the eyes and skin. Ingestion of this product or excessive inhalation may result in central nervous system effects including headache, dizziness, nausea and incoordination, and in confined spaces, unconsciousness and possible death. Some components are known to cause cancer.