



MATERIAL SAFETY DATA SHEET

Effective Date : March 1, 2010

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: Denatured Alcohol
General ID: Solvent Blend
Chemical Family: Alcohols, Flammable Solvents.
Formula: Proprietary
Hazard Class: FLAMMABLE LIQUID (3)
CAS Number #: Mixture
EMERGENCY #: 1-800-535-5053

SECTION 2 - COMPONENTS

INGREDIENT	% (by VOL)	TLV
Isopropanol	400p/ma	400 ppm
Hexone	Not Available	100 ppm
Ethanol	Not Available	1000 ppm
Methanol	200p/ma	200 ppm

SECTION 3 - PHYSICAL DATA

Boiling Point	For product	171.90 Deg F
Vapor Pressure	For product	42 mm Hg @ 68.00 Deg F
Specific Vapor Density	AIR = 1	1.6
Specific Gravity		0.806
Percent Volatile		100%
Evaporation Rate	(N-BUTYL ACETATE = 1	3.14

SECTION 4 - FIRE AND EXPLOSION INFORMATION

FLASHPOINT: 61 Deg F Open Cup

AUTO-IGNITION TEMP: Not Available

EXPLOSIVE LIMIT (PRODUCT) LOWER - 3.3% BY VOLUME

EXTINGUISHING MEDIA: Alcohol foam, CO2 or dry chemical.

Green Products Company. 810 Market Avenue, Richmond CA 94801-1325



MATERIAL SAFETY DATA SHEET

FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus approved by the U.S. Bureau of Mines. Use water to cool neighboring containers.

SPECIAL FIRE AND EXPLOSION HAZARDS: Flammable. Dangerous fire risk. Toxic by ingestion and inhalation. Vapors are heavier than air and will travel along ground to ignition source.

NFPA CODES: HEALTH-1 FLAMMABILITY-3 REACTIVITY-0

SECTION 5 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TWA): None for mixture. See above ingredients.

ROUTE OF ENTRY: Inhalation: mouth or nose. Ingestion: Mouth. Absorption: skin or eye contact.

EFFECTS OF ACUTE OVEREXPOSURE: Inhalation: flushing of face, headache, dizziness, nausea, vomiting. Eyes: irritant. Skin: absorbed through skin adding to effect of inhalation.

EMERGENCY AND FIRST AID

Inhalation: Remove to fresh air. Keep warm and comfortable.

Eyes: wash with water. If breathing is labored, give artificial respiration. If conscious, give black coffee.

Skin: Remove soaked clothing.

SECTION 6 - REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid ignition source.

HAZARDOUS POLYMERIZATION: Will not occur



MATERIAL SAFETY DATA SHEET

INCOMPATIBILITY (Materials to avoid): Avoid contact with strong oxidizing agents, strong alkalis, and strong mineral acids.

HAZARDOUS DECOMPOSITION: May form toxic materials: Carbon dioxide and Carbon Monoxide.

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Use personal protection equipment. Keep away from ignition source and other chemicals. Call E.R.T. Team. Absorb with absorbent or flush area with water. Place in D.O.T. waste container and call waste hauler.

WASTE DISPOSAL METHOD: Call waste hauler. Treat as flammable and consult a certified disposal contractor.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Air mask. Depends on size of spill. Keep air pack near by.

PROTECTIVE GLOVES: Wear resistant neoprene gloves.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your safety equipment supplier).

OTHER PROTECTIVE EQUIPMENT: Not generally required. But safety clothes would be recommended.

SECTION 9 - SPECIAL PRECAUTIONS OR OTHER COMMENTS

PRECAUTIONARY LABELING: D.O.T. Classification. Flammable Liquid. Contains methanol; cannot be made non-poisonous.



MATERIAL SAFETY DATA SHEET

OTHER HANDLING & STORAGE CONDITIONS: Corrode rubber use neoprene. Avoid ignition source and hot spots. Use UL approved explosion proof electrical systems, formal tank entry procedures.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.