

Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **Denatured Alcohol**

Application: Solvent

Chemical Description: Completely denatured alcohol

Manufacturer: Vaughan Industries, Inc.

Address: 8490 Lyndon Detroit, MI 48238

Emergency Phone: 313 935 2040

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION: eye irritation (2B) flammable liquids (2) skin irritation (2) specific target organ toxicity, single exposure (3)



SIGNAL WORD: Danger

HAZARD STATEMENTS: Highly flammable liquid and vapor; Causes skin irritation; Causes eye irritation; May cause respiratory irritation

PRECAUTION STATEMENTS: Dispose of contents and container to an approved waste disposal plant; Ground/bond container and receiving equipment; If eye

irritation persists: Get medical attention; If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention; If on skin (or hair); Remove immediately all contaminated clothing. Rinse skin with water; In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction; Keep away from heat, sparks, open flames, and hot surfaces; No smoking; Keep container tightly closed; Store in a well ventilated place. Keep cool; Take precautionary measures against static discharge; Use explosion proof electrical, ventilating and lighting equipment; Use only non sparking tools; Wash hands thoroughly after handling; Wear protective gloves and eye and face protection

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Ethanol	64-17-5	98.04
Gasoline	mixture	1.96

4. FIRST AID PROCEDURES

EYES: Flush with large amounts of water. Seek medical attention.

SKIN: Wash with water. If irritation persists, seek medical help.

RESPIRATORY: Move to fresh air. If necessary, give oxygen and seek medical attention.

INGESTION: Consult a physician.

5. FIRE HAZARD DATA

EXTINGUISHING MEDIA: Alcohol-type foam; carbon dioxide

SPECIAL FIREFIGHTING PROCEDURE: None

6. ACCIDENTAL RELEASE MEASURES

ACTION FOR SPILLS: Collect as much as possible for reuse. Place remainder in suitable container for disposal.

7. HANDLING AND STORAGE

VENTILATION: Equivalent to outside

RESPIRATORY PROTECTION: Normally not required

EYE PROTECTION: Safety glasses and goggles are always recommended

GLOVES: Plastic or rubber as used for washing

PROTECTIVE CLOTHING: Clean work clothes

STORAGE: Store in a dry area at temperatures above freezing. Use chemical goggles and gloves when transferring concentrates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: Ingredient #1, TWA, 1000 ppm; Ingredient #2, TLV 50 ppm;

Ingredient #3, ACGIH TLV, 500ppm

ENGINEERING CONTROLS: Use with adequate ventilation. Ensure eye wash and safety shower stations are available near areas where product is used.

PERSONAL PROTECTION EQUIPMENT: Safety glasses must be worn. Maintain eye wash facilities in the work area. Wear gloves impervious to conditions of use

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colorless liquid

pH: n/a

INITIAL BOILING POINT AND RANGE: 78°C

SOLUBILITY IN WATER: miscible

VAPOR PRESSURE: 44.6 mm Hg @ 20°C

FLASH POINT: 70 °F (TOC)

AUTOIGNITION TEMPERATURE: n/m

EVAPORATION RATE: 3.3, Butyl acetate = 1

ODOR: mild alcohol

VISCOSITY: n/m

PARTITION COEFF: n-octanol/water: n/m

VAPOR DENSITY: 1.6, air = 1

FLAMMABLE LIMITS: LFL: 3.3% UFL: 19.0 %

DECOMPOSITION TEMPERATURE: n/m

MELTING/FREEZING PT: n/m

RELATIVE DENSITY: 0.79

10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizers

11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: Ingredient 1, TWA, 1000 ppm; Ingredient 2, TLV 300 ppm;

PRECAUTIONARY STATEMENT: May cause irritation, dizziness, nausea, coma, death

EYE CONTACT: May cause eye irritation

SKIN CONTACT: Widespread exposure may result in absorption of harmful amounts.

RESPIRATORY: High concentrations may cause irritation, dizziness, faintness, nausea

INGESTION: May cause dizziness, vomiting, staggered gait, blindness, coma, death

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Repeated exposure may aggravate liver conditions.

INGREDIENTS LIST AS CARCINOGEN: Established uses are not a significant cancer hazard

12. ECOLOGICAL INFORMATION

All work practices must be aimed at eliminating environmental contamination.

ENVIRONMENTAL FATE: Bioaccumulation is not expected to be significant. This product is made from biodegradable components.

ECOLOGICAL DATA: Ingredient 1; Minnow, 96 h, LC50, > 10,000 mg/L; Algae, 96 h, 1000 mg/L; Ingredient 2; Trout, 96 h, LC50, > 10,000 mg/L; Algae, 96 h, 1000 mg/L

This material is not expected to be dangerous to the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

US DEPARTMENT OF TRANSPORTATION

Proper Shipping Name: Alcohols, n.o.s.

UN/NA Number: UN 1987

Labels Required: Flammable; Poison

Hazard Class: 3

Packing Group: II

15. REGULATORY INFORMATION

SARA: This product contains no material regulated under SARA Title III Section 313.

US CERCLA REPORTABLE QUANTITY: Components present which could require reporting are acetone (CAS 67-64-1) and acetaldehyde (CAS 75-07-0).

US TSCA INVENTORY STATUS: The components of this product are TSCA listed.

OTHER US FEDERAL REGULATIONS: None

16. OTHER INFORMATION

The data and recommendations presented herein are based upon our research and that of others and are believed to be accurate. No guarantee of their accuracy is made, and they are distributed without warranty, express or implied. The person receiving them shall make their own determination of the suitability thereof for their particular purpose. n/a: not available n/m: not measured

Date of Preparation: 4-28-15 AD

Revision Number: 3