

SAFETY DATA SHEET

Material Identity:
Denatured Alcohol Solvent

SECTION 1 · PRODUCT IDENTIFICATION

Manufacturers Address:
5612 56th Commerce Park Blvd
Tampa, FL 33610

Emergency Phone CHEMTREC: (800) 424-9300
General Information: (813) 622-7031
Synonyms: Hydrocarbon Mixture
Product Use: Solvent

SECTION 2· HAZARDS IDENTIFICATION

GHS Classification:

[Health]

Eye irritation Category 2A
Acute toxicity, Oral Category 3
Acute toxicity, Inhalation Category 3
Acute toxicity, Dermal Category 3
Specific target organ toxicity - single exposure Category 1

[Environmental]

Acute aquatic toxicity Category 3

[Physical]

Flammable liquids Category 2

GHS Label elements, including precautionary statements

Pictograms



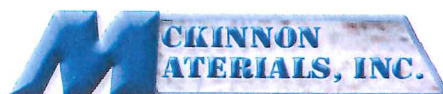
Signal word Danger

Hazard statement(s)

H225 Highly flammable liquid and vapor.
H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled
H315 + H320 Causes skin and eye irritation.
H319 Causes serious eye irritation.
H335 + H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H370 Causes damage to organs.
H402 Harmful to aquatic life.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.



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P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P233+P235 Store in a well-ventilated place. Keep Container tightly closed. Keep cool.
P405 Store locked up.
P501 Dispose of contents/in accordance with local/regional/national/international regulations.

SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Ethanol	64-17-5	60-70
Methanol	67-56-1	30-40
n-Propyl Acetate	109-60-4	01-10

SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek immediate medical attention.

SECTION 5 · FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous combustion products: Oxides of carbon and various hydrocarbons

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors will form an explosive mixture with air. Vapors will travel to a source of ignition and flash back.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spills: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

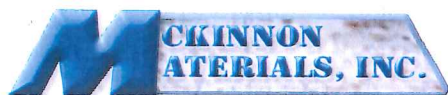
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

SECTION 7 · STORAGE AND HANDLING

Handling: Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed and tightly sealed when not in use. Avoid contact with skin and eyes.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Storage: This material is a static accumulator. Use non-sparking tools. Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers. Containers should be grounded and bonded.



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SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

Exposure Limits:	Ethyl Alcohol	1000 ppm ACGIH; 1000 ppm OSHA
	Methyl Alcohol	200 ppm ACGIH; 250 ppm OSHA
	n-Propyl Acetate	250 ppm ACGIH; 250 ppm OSHA

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: 54 °F

Autoignition Temperature: 797 °F

Boiling Point Range: 168 °F

Melting Point/Freezing Point: -129 °F

Vapor Pressure: 32 mmHg

Vapor Density (Air-1): 1.5

Odor/Appearance: Clear colorless liquid with sweet solvent odor.

Flammability Limits: Lower: 4 Upper: 20

Specific Gravity: 0.80

Volatile %: 100

Evaporation Rate (BuAc=1): 2.5

pH: Not Applicable

Solubility in Water: Complete

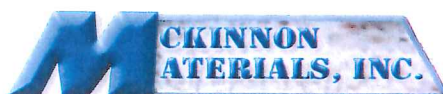
SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.

Incompatible Materials: Strong oxidizing agents, Strong reducing agents, Strong bases

Hazardous Polymerization: Will not occur.



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SECTION 11 · TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Contact can cause redness and irritation. Severity depends on the amount and duration of exposure.

Eyes: Vapors are irritating to the eyes. Liquid contact will cause stinging and tearing.

Inhalation: Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression. May cause drowsiness or dizziness.

Ingestion: If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

Acute oral toxicity:

Ethyl Alcohol: LD50 rat: 7,060 mg/kg

Methyl Alcohol: LD50 rat: 1,187 - 2,769 mg/kg

n-Propyl Acetate: LD50 rat - 9,370 mg/kg

Acute inhalation toxicity:

Ethyl Alcohol: LC50 rat: 66,000 mg/l

Methyl Alcohol: LD50 rat: 128.2 mg/l 4h

n-Propyl Acetate: LC50 rat - 4 h - 32 mg/l

Acute dermal toxicity:

Ethyl Alcohol: 20,000 mg/kg

Methyl Alcohol: LD50 rabbit: 17,100 mg/kg

n-Propyl Acetate: LD50 rabbit - > 17,740 mg/kg

SECTION 12 · ECOLOGICAL INFORMATION

Aquatic Toxicity: Toxicity to fish LC50 Pimephales promelas: 15,300 mg/l; 96 h; literature value

Bio-accumulative potential: Bioaccumulation of this product is not expected. This product is readily biodegradable.

Mobility: No available data.

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 · TRANSPORTATION

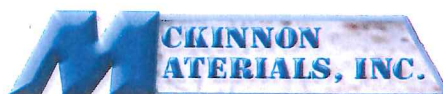
U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Alcohols, n.o.s. (Ethanol, Methanol)

Hazard Class 3

UN Number: 1987

Packaging Group: II



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SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is not established.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories: The following components are subject to reporting levels established by SARA Title III, Section 313: Methyl Alcohol

Clean Water Act: This product contains Methyl Alcohol a chemical listed under the CWA.

Clean Air Act: This product contains Methyl Alcohol a chemical listed under the CAA.

California Prop 65: This product contains Methyl Alcohol a chemical known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

SDS Revision Date: April 2015

NFPA Ratings: HEALTH: 1 FLAMMABILITY: 3 REACTIVITY: 0

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