

24 Hour Emergency Response
InfoTrac: 800-535-5053

SAFETY DATA SHEET

WORKING COPY

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Date Prepared : 05/14/2015

SDS No : Techsol A, Anhydrous

Techsol A, Anhydrous

EYES AND FACE: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: Use gloves chemically resistant to this material. Examples of preferred glove barrier material include: Neoprene, Polyvinyl chloride (PVC or vinyl), Polyethylene, Natural rubber (latex), Nitrile/butadiene rubber (nitrile or NBR), Ethyl vinyl alcohol laminate (EVAL). Avoid gloves made of Polyvinyl alcohol (PVA). The selection of the specific glove depends on the particular application, duration, other chemicals involved besides this product, physical requirements, potential skin reaction to glove materials, as well as the instructions/specifications provided by the glove supplier.

RESPIRATORY: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the approved respirator. Selection of air-purifying or positive-pressure supplied air, will depend on the specific operation and the potential airborne concentration of the material.

PROTECTIVE CLOTHING: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slight ethanol/ketone odor

ODOR THRESHOLD: Not yet Determined

APPEARANCE: Clear/water-white

COLOR: Water-white

PHYSICAL STATE COMMENTS: Flammable Liquids

pH: Neutral

PERCENT VOLATILE: 100

FLASH POINT AND METHOD: ~ 13°C (55°F) Tag Closed-Cup (ASTM D56)

FLAMMABLE LIMITS: 3.53 to 21.2

AUTOIGNITION TEMPERATURE: > 404°C (760°F)

VAPOR PRESSURE: ~ 39.75 mm Hg at 19°C (66°F)

VAPOR DENSITY: ~ 1.6

BOILING POINT: ~ 78°C (172°F)

MELTING POINT: -89°C (-128°F)

THERMAL DECOMPOSITION: (DTA) No exotherm

SOLUBILITY IN WATER: Appreciable

EVAPORATION RATE: Not Determined

DENSITY: ~ 6.57 at 20°C (68°F)

SPECIFIC GRAVITY: ~ 0.79 at 20°C (68°F)

(VOC): 100.000

10. STABILITY AND REACTIVITY

REACTIVITY: Normally reactive if handled properly

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HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

POSSIBILITY OF HAZARDOUS REACTIONS: No hazardous reactions when stored and handled according to instructions.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products depend upon temperature, air supply and the presence of other materials. Carbon monoxide and carbon dioxide are possible decomposition products.

INCOMPATIBLE MATERIALS: Strong oxidizing agents; strong inorganic acids.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: 17100 mg/kg

Notes: Rabbit

ORAL LD₅₀: 1400 mg/kg

Notes: Human

INHALATION LC₅₀: 20000 ppm/10 hours

Notes: Rat

EYE EFFECTS: Vapors are irritating to the eyes. Splashes may cause severe irritation with stinging, tearing, redness and pain.

SKIN EFFECTS: Irritating due to the defatting action on skin. Causes redness, pain, drying and cracking of the skin.

CARCINOGENICITY

IARC: Not classified as a human carcinogen.

NTP: Not classified as a human carcinogen.

OSHA: Not classified as a human carcinogen.

TARGET ORGANS: Inhalation- May cause respiratory irritation. -Lungs

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: This product has a low potential to bioaccumulate.

AQUATIC TOXICITY (ACUTE): This product is not expected to be harmful to aquatic organisms according to GHS criteria.

96-HOUR LC₅₀: > 13400 mg/l- Pimephales promelas

48-HOUR EC₅₀: 2000 mg/l- Water Flea (Daphnia magna)

96-HOUR EC₅₀: ~ 17.921 mg/l- Algae

Notes: This product is readily biodegradable.

CHEMICAL FATE INFORMATION: The material is expected to form a slick on the surface of waters after release in calm sea conditions. This is expected to evaporate and enter the atmosphere where it will be degraded through reaction with hydroxyl radicals.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The generation of waste should be avoided or minimized whenever possible. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility. Dispose in accordance with all local, state, and federal regulations.

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FOR LARGE SPILLS: Do not allow product to reach sewage system.

PRODUCT DISPOSAL: Disposal must be made according to official regulations.

EMPTY CONTAINER: Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container.

RCRA/EPA WASTE INFORMATION: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not listed as an RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: NA1987, Denatured Alcohol, 3, PGII.

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: NA1987

PACKING GROUP: II

LABEL: Flammable Liquid

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: UN1987, Alcohols, n.o.s., 3, PGII.

UN NUMBER: UN1987

PACKING GROUP: II

VESSEL (IMO/IMDG)

SHIPPING NAME: UN1987, Alcohols, n.o.s., 3, PGII.

UN/NA NUMBER: UN1987

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable
Liquid

R10: Flammable.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: NA = Not Applicable

PRESSURE GENERATING: Yes **ACUTE:** Yes **CHRONIC:** No

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EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
2-propanol	< 10	67-63-0
Methyl alcohol	< 5	67-56-1
Hexone	< 5	108-10-1

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product is listed on the CERCLA Inventory.

Chemical Name	Wt.%	CERCLA RQ
Methyl alcohol	< 5	5,000
Hexone	< 5	5,000

CERCLA RQ: 10,000 lbs (Default)

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Ethyl Alcohol	64-17-5
2-propanol	67-63-0
Methyl alcohol	67-56-1
Hexone	108-10-1

TSCA REGULATORY: This product is listed on the TSCA Inventory.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): This product is listed on Canada's DSL list.

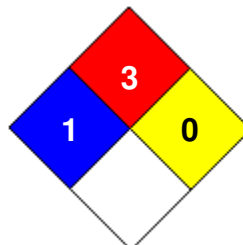
16. OTHER INFORMATION

PREPARED BY: Bruce Washington **Date Prepared:** 05/14/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	3
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	H

NFPA CODES



MANUFACTURER DISCLAIMER: While reasonable care has been taken to ensure the accuracy and completeness of the information regarding the material described herein, it is the purchaser's responsibility to ensure the suitability of such

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information as it applies to the purchaser's intended use of the material. PTI Process Chemicals assumes no responsibility resulting from the use of this SDS.