Safety Data Sheet

Brand: MAXTITE

Issue Date: 21-Jun-2024 **Revision Date:** 21-Jun-2024 **Version** 01

1. IDENTIFICATION

Product identifier

Product Name 140 Proof Denatured Alcohol

Other means of identification

SDS # 54185

UN/ID No UN1170

Recommended use of the chemical and restrictions on use

Recommended Use Solvent, thinner and cleaner.

Details of the supplier of the safety data sheet

Supplier Address
Pacific Innovations LLC
129 Seegers Avenue
Elk Grove Village, IL 60007
1 (708) 320 2088

Emergency telephone number

Emergency Telephone INFOTRAC 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Physical state Liquid

Classification

Flammable Liquids	Category 3
Eye irritation	Category 2A

Signal Word
Warning

Hazard statements
Flammable liquid and vapor
Causes serious eye irritation

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools
Take precautionary measures against static discharge
Do not breathe dust/fume/gas/mist/vapors/spray
Wash skin thoroughly after handling
Do not eat, drink, or smoke when using this product
Wear protective gloves/eye protection/face protection

Precautionary Statements - Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF eye irritation persists: Get medical advice/attention
IF exposed or concerned: Call a POISON CENTER/physician
IN CASE OF FIRE: Use appropriate media to extinguish.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Ethanol	64-17-5	70
Isopropyl Alcohol	67-63-0	3 – 7
Methanol	67-56-1	2 – 3
Methyl isobutyl ketone	108-10-1	< 1
Water	7732-18-5	20 - 30

*Actual concentration is withheld as a trade secret.
*For the full text of the H-Statements mentioned in this section, see Section 16.

4. FIRST AID MEASURES

Description of first aid measures

General Advice Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop or persist, call a physician.

Skin Contact Take off immediately all contaminated clothing. Rinse skin with water. Take victim to a doctor if irritation persists.

Eye Contact Immediately flush eye(s) with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, call a physician.

Ingestion Rinse mouth with water (only if the person is conscious). DO NOT induce vomiting.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

Unsuitable Extinguishing Media High volume water jet

Specific Hazards Arising from the Chemical
Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, toxic gases may be formed.

Hazardous combustion products
Carbon oxides

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental precautions

Environmental precautions	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains, inform respective authorities.

Methods and material for containment and cleaning up

Methods and Materials for Containment and Clean up	Eliminate all ignition sources. Keep combustibles away from spilled material. Contain spillage, and then collect with non-combustible absorbent material, (e.g., sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Protection Against Fire and Explosion	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using, do not smoke. Explosion proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment.
Advice on Safe Handling	Avoid formation of aerosol. Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see Section 8. Smoking, eating, and drinking should be prohibited in the application area. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations. No smoking.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations/working materials must comply with the technological safety standards.

Incompatible Materials Strong acids, strong bases, and oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

OSHA PEL	ACGIH STEL	NIOSH TWA
1900 mg/m3 1000 ppm	1000 ppm	1900 mg/m3 1000 ppm

Individual protection measures, such as personal protective equipment

Respiratory Protection Where risk assessment shows air-purifying respirators are required, be sure to use an MSHA/NIOSH approved respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Eye/Face Protection Use chemical safety goggles. Use equipment approved by appropriate government standards, such as NIOSH. Maintain eye wash station and safety showers in work area.

Skin and Body Protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance Colorless
Color Clear
Odor Alcohol-like
Odor Threshold Not determined

Property	Values	Remarks • Method
pH	Not available	
Melting point / freezing point	-50C	
Initial boiling point and boiling range	80C	
Flash point	25 – 30C	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	Not applicable	
Flammability Limit in Air		
Lower Explosive Limit	3.3% (100% ethanol)	
Upper Explosive Limit	19.0% (100% ethanol)	
Vapor Pressure	57.3 hPa at 20C	
Vapor Density	1.6	
Relative Density	0.855 – 0.973 at 25C	
Water Solubility	Completely soluble	
Decomposition Temperature	Not available	

Autoignition temperature Not available

10. STABILITY AND REACTIVITY

Chemical stability
This material is considered stable at ambient temperatures 70F (21C).

Conditions to Avoid
Flames, sparks, electrostatic discharge, heat and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials
This product reacts with strong acid, strong bases, and oxidizing agents.

Hazardous decomposition products
Combustible products upon decomposition, carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

Hazardous Reactions:
This product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Avoid inhalation

Ingestion May be harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methanol 67-56-1	= 7300 mg/kg (Mouse)	= 15800 mg/kg (Rabbit)	= 64000 ppm/4H
Isopropyl Alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat)	= 72.6 mg/L/4H (Rat)
Methyl Isobutyl Ketone 108-10-1	-	-	= 11.6 mg/L/4H (Rat)

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Mild skin irritation.

Serious eye damage/eye irritation Causes severe eye irritation.

Carcinogenicity

Group 2B Possibly carcinogenic to humans
Methyl Isobutyl Ketone (108-10-1)

12. ECOLOGICAL INFORMATION

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Ethanol 64-17-5	EC50: > 100 mg/L (72h, Chlorella vulgaris)	LC50: > 100 mg/L (96h, Pimephales promelas)	EC50: > 100 mg/L (48h, Ceriodaphnia dubia)
Isopropanol 67-63-0	EC50: > 100 mg/L (7d, Scenedesmus quadricauda)	LC50: > 100 mg/L (96h, Pimephales promelas)	EC50: > 100 mg/L (24h, Daphnia magna)
Methyl Isobutyl Ketone 108-10-1	-	LC50: > 100 mg/L (96h, Danio rerio)	EC50: > 100 mg/L (48h, Daphnia magna)

Persistence/Degradability
No data available

Bioaccumulation
No data available

Mobility
No data available

Other adverse effects
No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Remove waste in accordance with local and/or national regulations. Contact a licensed professional waste disposal service to dispose of this material. Different types of hazardous waste should not be mixed together if it will entail a risk of pollution or create problems for the further management of the waste.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN1170
Proper Shipping Name Ethanol solutions
Transport hazard class(es) 3
Packing Group III

IATA

UN/ID No UN1170
Proper Shipping Name Ethanol solutions
Transport hazard class(es) 3
Packing Group III

IMDG

UN/ID No	UN1170
Proper Shipping Name	Ethanol solutions
Transport hazard class(es)	3
Packing Group	III

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Product components	X	ACTIVE	X /-	X /-	X	X	X	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

Isopropyl Alcohol (67-63-0)
Methanol (67-56-1)

SARA 311/312

Flammable (gases, aerosols, liquids, or solids)
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

CERCLA

40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: Methanol (67-56-1) = 5000 lbs and MIBK (108-10-1) = 5000 lbs

US State Regulations

California Proposition 65

Methanol (67-56-1) and Methyl Isobutyl Ketone (108-10-1)

U.S. State Right-to-Know Regulations

Component	Massachusetts	Pennsylvania
Ethanol 64-17-5	Yes	Yes
Isopropyl Alcohol 67-63-0	Yes	Yes
Methanol 67-56-1	Yes	Yes
Methyl Isobutyl Ketone 108-10-1	No	Yes

16. OTHER INFORMATION

NFPA	**Health hazards**	**Flammability**	**Instability**	**Special hazards**
	2	3	0	-
HMIS	**Health hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	2	3	0	Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet