



24 Madison Road, Fairfield, New Jersey 07004, USA
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,
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Material Safety Data Sheet

SECTION 1 - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name:
JEEN INTERNATIONAL CORPORATION
24 MADISON ROAD
FAIRFIELD, NEW JERSEY 07004
TEL#: 973-439-1401

Chemtrec Emergency Telephone No.: 800-424-9300
*Chemtrec Int'l Emergency Tel#: 703-527-3887
(*Collect Calls Accepted)

Revision Date: November 15, 2013

Product/Trade Name: **JEEPON T-33**
INCI Name: **SODIUM METHYL OLEOYL TAURATE**

SECTION 2- COMPOSITION / INFORMATION ON INGREDIENTS

Composition:

Name	CAS #	%
Ethanesulfonic Acid, 2-(Methylamino)- n-tall-oil fatty acyl derivs., sodium salts	61791-41-1	30-60
Sodium Chloride	7647-14-5	4.99-9.99
Isopropanol	67-63-0	4.99-9.99
Aliphatic Carboxylic Acid	-	-

*There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 3- HAZARD IDENTIFICATION

Physical state: Liquid
Odor: Mild
OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Emergency Overview: **WARNING!** Causes respiratory tract and eye irritation. May cause skin irritation

Potential Acute Health Effects

Inhalation: Irritating to respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion: No known significant effects or critical hazards
Skin: Slightly irritating to the skin
Eyes: Irritating to eyes

Potential Chronic Health Effects

Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental Effects: No known significant effects or critical hazards.
Fertility Effects: No known significant effects or critical hazards.
Target Organs: No known significant effects or critical hazards.

Over-exposure signs/symptoms:

Inhalation: Adverse symptoms may include the following: respiratory tract irritation, coughing
Ingestion: No specific data
Skin: Adverse symptoms may include the following: Pain or irritation, watering, redness
Eyes: Adverse symptoms may include the following: Pain or irritation, watering, redness
Medical conditions
Aggravated by over-Exposure: No known



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SECTION 4- FIRST AID MEASURES

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation:	Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion:	Wash out mouth with water/ Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION 5- FIRE FIGHTING MEASURES

Flammability:	Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
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Extinguishing Media

Suitable:	Use dry chemical. CO2, water spray (fog) or foam
Not suitable:	Do not use water jet
In case of fire:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Hazards thermal Decomposition:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxide/oxides
Special Fire Protective Equipment	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (See section 8).
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Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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Methods of Clean-Up

Small Spill:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and proof equipment. Dispose of via a licensed waste disposal contractor.
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Large Spill:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section1 for emergency contact information and section 14 for waste disposal.
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SECTION 7- HANDLING AND STORAGE

Handling Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use that material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Use explosion proof- electrical (ventilating. Lighting and material handling) equipment. Use non sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

Storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in a container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination

SECTION 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	Exposure Limits
Isopropanol	<p>ACGIH TLC (US, 2/2010) TWA: 200 ppm, 0 times per shift; 8 Hour (s) STEL: 400 ppm, 0 times per shift; 15 minute (s)</p> <p>OSHA PEL 1989 (US 3/1989) TWA: 400 ppm, 0 times per shift; 8 Hours TWA: 980 mg/m3, 0 times per shift, 8 Hours STEL: 500 ppm, 0 times per shift, 15 minutes STEL: 1225 mg/m3, 0 times per shift, 15 minutes</p> <p>NIOSH REL (US 6/2009) TWA: 400 ppm, 0 times per shift, 10 Hours TWA: 980 mg/m3, 0 times per shift, 10 Hours STEL: 500 ppm, 0 times per shift, 15 minutes STEL: 1225 mg/m3, 0 times per shift, 15 minutes</p> <p>OSHA PEL (US 6/2010) TWA: 400 ppm, 0 times per shift; 8 Hours TWA: 980 mg/m3, 0 times per shift, 8 Hours</p>
Aliphatic Carboxylic Acid	<p>ACGIH TLC (US) TWA: 5 mg/m3 STEL: 10mg/m3</p> <p>OSHA PEL (US) TWA: 5 mg/m3</p>

Recommended monitoring If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and or the necessity to use respiratory protective equipment.

Engineering Measures: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Hygiene Measures: 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



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be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash station and safety showers are close to the workstation location. respirator.

SECTION 8- EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

Personal Protection:

Respiratory Use a properly fitted, particulate filter respirator complying with an approved standard if risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected

Hands Chemical- resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicated this necessary. 104 hour(s) (breakthrough time): Viton

Eyes Safety eyewear complying with an approved standard should be used when a risk assessment indicated this is necessary to avoid exposure to liquid splashes, mists gases, or dusts
 Recommended: Splash goggles

Skin Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Body:
 Recommended: safety apron.

Environmental exposure

Controls: Emission from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modification to the process equipment will be necessary to reduce carbon emission to acceptable levels

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Physical State: SLIGHTLY VISCOUS LIQUID

Color: Colorless to Pale Yellow

Odor: Mild

Flash Point: Closed cup:29.444° C (85° F) [Product does not sustain combustion.

Solubility in Water: Easily soluble in the following materials: cold water, hot water

Boiling Point 93.333° C (200° F)

Melting Point: May start to solidify at the following temperature 7° C (44.6° F) This is based on data for the following ingredient: Aliphatic carboxylic acid.. Weighted average: -7.49° C (18.5° F)

Specific Gravity 1.06

Vapor Pressure: Highest known value. 4.4 kPa (33 mm Hg) (@ 20° C) (isopropanol). Weighted average: 3.14 kPa (23.55 mm Hg) (at 20° C)

Vapor Density: Highest known value: 2.07 (Air=1) (isopropanol).

Evaporation Rate: 1.7 (isopropanol) compared with butyl acetate

SECTION 10- STABILITY AND REACTIVITY

Chemical stability: The product is stable

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.

Hazardous decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of hazardous Reactions: Under normal conditions to storage and use, hazardous reactions will not occur.

Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerizations will not occur.

SECTION 11- TOXICOLOGICAL INFORMATION

Acute Toxicity

Product	Result	Species	Dose	Exposure
Sodium Chloride	LD50 Oral	Rat	3000 mg/kg	-
	LD50 Subcutaneous	Mouse	3 g/kg	-
Isopropanol	LD50	Rat	5000 mg/kg	-
Aliphatic Carboxylic Acid	LD50 Dermal	Rabbit	>2000 mg/kg	-



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	LD50 Oral	Rat	>10000 mg/kg	-
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SECTION 11- Continued

Irritation/Corrosion

Product	Result	Species	Score	Exposure	Observation
Sodium Chloride	Eyes – Moderate Irritant Skin – Mild irritating	Rabbit Rabbit	-	-	-
Isopropanol	Eyes – Moderate Irritant Eyes – Severe Irritant Skin – Mild irritant	Rabbit Rabbit Rabbit	-	-	-

Carcinogenicity Classification:

Product/ Ingredient	ACGIH	IARC	EPA	NOISH	NTP	OSHA
Isopropanol	A4	3	-	-	-	-

SECTION 12- ECOLOGICAL INFORMATION

Eco toxicity: No known significant effects or critical hazards

Aquatic Eco Toxicity:

Product	Result	Species	Exposures
Sodium	Acute EC50 4880000 to 602000 ug/L Fresh Water	Aquatic plants – Lemna Minor	7 Days
	Acute EC50 402.6 mg/L	Daphnia	48 Hours
	Acute LC50 6094 mg/L	Fish	96 Hours
Isopropanol	Acute LC50 1400000 TO 1950000 uG/L Marine Water Acute LC50 6550 mG/L	Crustaceans – Crangon Crangon Fish	48 Hours 96 Hours

Other adverse effects: No known significant effects or critical hazards.

SECTION 13- DISPOSAL CONSIDERATIONS

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

*Disposal in accordance with all applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applied to the material as supplied. The identification based on characteristic (s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.



*Refer to section 7: HANDLING AND STORAGE. And section 8: EXPOSED CONTROLS/PERSONAL PROTECTION for additional



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handling information and protection of employees.

SECTION 14- TRANSPORT INFORMATION

Regulatory Info	UN Number	Proper Shipping Name	Classes	PG*	Label	Additional Info
DOT Classification	NA1993	Combustible liquid n.o.s (isopropanol)	Combustible Liquid	III		This material is non-regulated per 49 CFR 173.150 [E] (1).
IMDG Class	UN1993	FLAMMABLE LIQUID N.O.S (isopropanol)	3	III		Emergency schedules (EmS) F-E,_S-E_
IATA-DGR Class	UN1993	Flammable liquid, n.o.s (isopropanol)	3	III		-

PG* Packing Group
 Reportable Quantity: CERCLA: Hazardous substances: No products were found
 Flash Point: Closed cup: 29.444° C (85° F) [Product does not sustain combustion]

SECTION 15- REGULATORY INFORMATION

HCS Classification: Flammable liquid, Irritating material
 U.S. Federal Regulations: TSCA 8 (a) IUR Exempt / Partial exemption: Not determined
 United States Inventory (TSCA 8b): All components are listed or exempted
 SARA 302/304/311/312 extremely hazardous substances: No products were found
 SARA 302/304 emergency planning and notification: No products were found
 SARA 311/312 MSDS distribution – chemical inventory – hazard identification
Sodium Chloride: Immediate (acute) health hazard, Delayed (chronic) health hazard
Oleic Acid: Immediate (acute) health hazard. Delayed (chronic) health hazard
Isopropanol: Fire hazard, immediate (acute) health hazard, Delayed (chronic) health hazard.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed

Clean Air Act Section 602: Class I Substances: Not listed

Clean Air Act Section 602: Not listed
 DEA list I Chemicals (Precursor Chemicals): Not listed

DEA list II chemicals (Essential Chemicals): Not listed

State Regulations
 EU Regulations: Not listed



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DEA list I Chemicals
 (Precursor Chemicals) Not listed

DEA list II chemicals
 (Essential Chemicals) Not listed

SECTION 15- REGULATORY INFORMATION CONTINUED

SARA 313

	Product Name	CAS #	Concentration
Reporting Requirements	Isopropanol	67-63-0	4.99-9.99
Suppliers Notification	Isopropanol	67-63-0	4.99-9.99

International Lists:

US inventory All components are listed or exempted
 Canada inventory All components are listed or exempted
 Australia Inventory All components are listed or exempted
 China Inventory All components are listed or exempted
 EU inventory All components are listed or exempted
 Japan Inventory Not determined.

New Zealand: All components are listed or exempted
 Philippines: All components are listed or exempted

State Regulations:

Massachusetts: The following components are listed: ISOPROPYL ALCOHOL
 New York: None of the components are listed
 New Jersey: The following components are listed: ISOPROPYL ALOCHOL; 2-PROPANOL
 Pennsylvania The following components are listed: 2-PROPANOL; 9-OCTADECENOIC ACID (Z)-

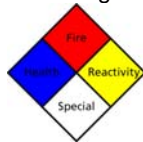
SECTION 16- OTHER INFORMATION

Hazardous Material Info System (U.S.A):

Health	1
Flammability	1
Physical Hazards	0

Caution: HMIS ® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks although HMIS ® ratings are not required on MSDSs under 29 CFR 1910.1200 the preparer may choose to provide them. HMIS ® ratings are to be used with a fully implemented HMIS ® program. HMIS is a registered mark of the National Paint & Coatings Association (NPCA). HMIS ® materials may be purchased exclusively from J.J. Keller (800-327-6868)

The customer is responsible for determining the PPE code for this material.



National Fire Protection (U.S.A) :
 Health:1 Flammability:3 Instability: 0

Copyright 2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.



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SECTION 16- OTHER INFORMATION CONTINUED

Emergency Contact Numbers for local language support in Asia Pacific region

COUNTRY INFORMATION	LANGUAGES SUPPORTED	TELEPHONE No.	LOCATION
Australia	English	+61 2 8014 4558	Australia
Bangladesh	Bengali, English	+65 3158 1200	Singapore
China	Mandarin, English	+86 10 5100 3039	Beijing China
India	Hindi English	+65 3158 1198	Singapore
Indonesia	Bahasa Indonesian, English	00780 3011 0293	Indonesia
Japan	Japanese, English	+81 3 4578 9341	Japan
Korea	Korean, English	+65 3158 1285	Singapore
Malaysia	Bahasa Malaysian, English	+ 60 3 6207 4347	Malaysia
New Zealand	English	+61 9929 1483	Australia
Pakistan	Urdu, English	+65 3158 1329	Singapore
Philippines	Tagalog English	+65 3158 1203	Singapore
Sri Lanka	Sinhalese, English	001800 2 2066 6751	Thailand
Vietnam	Vietnamese English	+65 3158 1255	Singapore

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