



JEEN INTERNATIONAL
CORPORATION

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MATERIAL SAFETY DATA SHEET

Section 1 – Company and Product Identification

Issued by:	JEEN International Corporation 24 Madison Road Fairfield, NJ 07004, USA Tel#: 973-439-1401	Chemtrec Emergency Tel#:	800-424-9300
		*Chemtrec Int'l Emergency Tel#:	703-527-3887 (*Collect Calls Accepted)
		Issued Date:	April 17, 1998
		Revision Date:	Aug. 2, 2000

Product Name: **JEECHEM Squalane Natural NF**
Synonyms: 2,6,10,15,19,23-Hexamethyltetracosane

Section 2 – Composition, Information on Ingredients

CAS #	Chemical Name	%	EINECS#
111-01-3	Squalane	99	203-825-6

Hazard Symbols: None listed.
Risk Phrases: None listed.

Section 3 – Hazards Identification

Emergency Overview

Appearance: Clear almost colorless.
Caution!: The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Target Organs: None known.

Potential Health Effects:

Eye: May cause eye irritation. The toxicological properties of this material have not been fully investigated.
Skin: May cause skin irritation. The toxicological properties of this material have not been fully investigated.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.
Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.
Chronic: No information found.

Section 4 – First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: If victim is conscious and alert, give 2 – 4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 – Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media: Use agent most appropriate to extinguish fire. Use a water spray, dry chemical, carbon dioxide, or appropriate foam.
Auto-ignition Temperature: Not available.
Flash Point: Not available.
Explosion Limits,: Lower: N/A
Explosion Limits,: Upper: N/A
NFPA Rating:



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Section 6 – Accidental Release Measure

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, the place into a suitable clean, dry , closed container for disposal. Provide ventilation.

Section 7 – Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA – Final PELs
Squalane	None Listed	None Listed	None Listed

OSHA Vacated PELs: Squalane: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 – Physical and Chemical Properties

Physical State: Liquid
Appearance: Clear almost colorless
Odor: Odorless
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity @ 20°C: 34 cP
Boiling Point: approx. 210 deg. C (1mbar)
Freezing/Melting Point: -38°C
Decomposition Temperature:
Solubility in Water: Insoluble in water, soluble in non-polar organic solvents and natural oils
Specific Gravity at 20 Deg. C: 0.81 g/ml
Molecular Formula: C₃₀H₆₂
Molecular Weight: 422.82
Flash Point: > 200 deg. C
Auto inflammability: > 200 deg. C



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Section 10 – Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, strong oxidants.
Incompatibilities with Other Materials:	Oxidizing agents
Hazardous Decomposition Products:	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization:	Has not been reported.

Section 11 – Toxicological Information

RTECS#:	CAS#: 111-01-3:	XB6070000
LD50/LC50:	CAS#: 111-01-3:	Draize test, rabbit, skin: 100 mg/24H Mild.
Carcinogenicity:	Squalane:	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology:	No information available.	
Teratogenicity:	No information available.	
Reproductive Effects:	No information available.	
Neurotoxicity:	No information available.	
Mutagenicity:	No information available.	
Other Studies:	No data available.	

Section 12 – Ecological Information

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.

RCRA P-Series:	None listed.
RCRA U-Series:	None listed.

Section 14 – Transport Information

US DOT:	No information available.
Canadian TDG:	No information available.



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Section 15 – Regulatory Information

US Federal

TSCA: CAS#: 111-01-3 is listed on the TSCA inventory.
Health & Safety Reporting List: None of the chemicals in this product are on the Health & Safety Reporting List.
Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.
Section 12b: None of the chemicals in this product are listed under TSCA Section 12b.
TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.
SARA: Section 302 (RQ): None of the chemicals in this material have an RQ.
Section 302 (TPQ): None of the chemicals in this material have a TPQ.
Section 313: No chemicals are reportable under Section 313.
Clean Air Act: This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depleters.
This material does not contain any Class 2 Ozone depleters.
Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.
State: Squalane is not present on state lists from CA, PA, MN, MA, FL, or NJ.
California No Significant Risk Level: None of the chemicals in this product are listed.
European/International Regulations:
European Labeling in Accordance with EC Directives
Hazard Symbols: Not available.
Risk Phrases:
Safety Phrases:
S 24/25: Avoid contact with skin and eyes.
S 28A: After contact with skin, wash immediately with plenty of water.
S 37: Wear suitable gloves.
S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
WGK (Water Danger/Protection): CAS#: 111-01-3: 1
United Kingdom Occupational Exposure Limits
Canada: CAS#: 111-1-3 is listed on Canada's DSL List.
WHMIS: Not Available.
CAS#: 111-01-3 is not listed on Canada's Ingredient Disclosure List.
Exposure Limits

Section 16 – Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall JEEN International Corporation be liable for any claims, losses, or damages of any third part or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damage.