



SAFETY DATA SHEET

NORCHEM CORPORATION encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name:	NUGEN SOFTENER
Recommended use of the chemical	Laundry Fabric Softener.
Company Identification:	Norchem Corporation 5649 Alhambra Ave. Los Angeles, CA 90032, USA
Customer information number:	Office - (323) 221-0221 Fax - (323) 227-8733
CHEMTREC Emergency phone number (24h):	(800) 424-9300 USA

SECTION II – HAZARDS IDENTIFICATION

GHS Classification in accordance with paragraph (d) of 29 CFR 1910.1200 –
No applicable GHS categories.

GHS Label Elements:
None needed according to classification criteria.

Hazard statement:
None needed according to classification criteria.

Precautionary Statements:
Prevention
None needed according to classification criteria.

Response
None needed according to classification criteria.

Storage
None needed according to classification criteria.

Disposal
P501: Dispose of contents/container in accordance with regulations.

SECTION III – INFORMATION OF INGREDIENTS

IF PRESENT IARC, NTP AND OSHA CARCINOGENS AND CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION.

Components	CAS #	WT%
Methyl Tallow Diethylenetriamine	68410-69-5	5-15

SECTION IV – FIRST AID MEASURES

Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact:	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact:	Immediately flush with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation persists.

Ingestion: If a large amount is swallowed, get medical attention.

Most important symptoms/acute and delayed: Aside from the information found under Description of first aid measures (above) and immediate medical attention and special treatment needed (below), no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION V – FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray. Foam. Dry chemical. Carbon dioxide (CO₂).

Unsuitable extinguishing media: None.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing.

Fire fighting equipment/instructions: Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Do not touch or walk through spilled material. Floor will be slippery. Do not touch damaged containers or spilled material unless wearing appropriate protective space clothing. For protective measures, see section 8 of the SDS.

Methods and materials for containment and cleaning up:

This product is miscible in water. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Collect spill with absorbent material and place into properly labeled containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

See Section 13, Disposal Considerations, for additional information.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

SECTION VII – HANDLING AND STORAGE

Precautions for safe handling:

Use good industrial hygiene practices in handling this material. Keep container tightly closed. Wash thoroughly after handling. Use only with adequate ventilation. Wear recommended protective equipment.

Conditions for safe storage, including any incompatibilities:

Handle containers carefully to prevent damage and spillage. Store in closed container away from incompatible materials such as oxidizers. Store away from heat, direct sunlight, and moisture.

SECTION VIII – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure limits: No data available for product.

Component	Regulation	Type of Listing	Value/Notation
Methyl Tallow Diethylenetriamine	ACGIH	No established limit	
	OSHA	No established limit	
	NIOSH	No established limit	

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits. Ensure that dust-handling

systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection: Wear appropriate protective gloves. Suitable gloves can be recommended by the glove supplier.

Other protection: Wear appropriate protective clothing.

Respiratory protection: Respiratory protection is not required under normal conditions of use. If respirable dusts are generated, respiratory protection may be needed.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Always observe good personal hygiene measures.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque
Physical State	Liquid
Color	Off-white to straw
Odor	Characteristic
Odor Threshold	Not available
pH	Not measured
Melting Point/freezing point	Not available
Boiling Point	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Flammability Limit in Air	
Upper flammability limit:	Not available
Lower flammability limit:	Not available
Vapor Pressure	Not available
Vapor Density (air = 1)	Not available
Solubility in water	Not soluble
Partition coefficient, n-octanol/ water (log Pow)	Not available
Auto ignition Temperature	Not available
Decomposition temperature	Not available
Viscosity	
Kinematic Viscosity	Not available
Dynamic Viscosity	50 cps
Specific Gravity	0.960

SECTION X – STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Avoid heat, direct sunlight, and moisture. Avoid storage in freezing conditions. Do not mix with other chemicals.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Oxides of carbon, oxides of nitrogen, oxides of sulfur.

SECTION XI – TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation:	May cause respiratory irritation.
Skin contact:	May cause irritation and drying.
Eye contact:	May cause serious irritation with pain and tearing.
Ingestion:	May cause irritation of the mouth and throat, gastrointestinal irritation with nausea and vomiting.

Symptoms related to the physical, chemical and toxicological characteristics:

Not available.

Information on toxicological effects:

Acute toxicity No data available for this product. The toxicology information listed below is based on the components of this material.

Component Information	Species	Test Results
Methyl Tallow Diethylenetriamine	Dermal LD50	No data available
	Oral LD50	No data available
	Inhaled LC50	No data available

Skin corrosion/irritation: May cause irritation of the skin. Not corrosive.

Serious eye damage/eye irritation: May cause irritation.

Respiratory or skin sensitization

Respiratory sensitization: No data available.

Skin sensitization: No data available.

Germ cell mutagenicity No data available to indicate product or any component present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity:	Not listed.
US. National Toxicology Program (NTP) Report on Carcinogens:	Not listed.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	Not regulated.

Reproductive toxicity: No data available.

Specific target organ toxicity - single exposure: No data available.

Specific target organ toxicity - repeated exposure: No data available.

Aspiration hazard: No data available.

SECTION XII– ECOLOGICAL INFORMATION

Ecotoxicity This product is not expected to be hazardous to aquatic organisms.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

SECTION XIII – DISPOSAL CONSIDERATIONS

Disposal instructions: Contain and dispose of in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products: Dispose of in accordance with local regulations.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION XIV– TRANSPORT INFORMATION

DOT Not regulated as dangerous goods.

SECTION XV– REGULATORY INFORMATION**US Federal Regulations:****TSCA Section 12(b) Export Notification Listed (40 CFR 707):**

Not Regulated

CERCLA Hazardous Substance List (40 CFR 302.4):

Not Listed

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not Regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 302 Extremely hazardous substance**

Not listed.

SARA 304 Emergency release notification:

Not Regulated

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act(SDWA)

Not regulated.

US State Regulations**US California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION XVI– OTHER INFORMATION**Hazard Rating System**

NFPA	Health	Fire	Reactivity
	1	0	0

NFPA Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

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THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO NORCHEM CORPORATION. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. NORCHEM CORPORATION MAKES NO WARRANTY OF MERCHANT ABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.