

SECTION 1 – IDENTIFICATION OF THE PRODUCT AND THE COMPANY

PRODUCT NAME	Norac [®] TPSA	TELEPHONE	870-572-9061
MANUFACTURER	Norac Additives, LLC	CHEMTREC (24 HR) (USA)	800-424-9300
ADDRESS	360 Phillips 311 Road Helena, AR 72342	CHEMTREC (MARITIME / INTERNATIONAL)	703-527-3887
CHEMICAL NAME	Stearic acid	PHYSICAL FORM	flake

SECTION 2 – HAZARD IDENTIFICATION

Molten product may cause thermal burns. Usual hazards associated with organic dusts. The possibility of explosions exists under dusty conditions. Avoid dusting when handling and avoid all possible sources of ignition (spark and flame). Normal precautions common to safe manufacturing practice should be followed in handling and storage.

CLASSIFICATION OF SUBSTANCE

OSHA	WARNING
	May form combustible dust concentrations in air.
POTENTIAL HEALTH EFFECTS	Primary routes of entry: eye contact, skin contact.
	EYE May cause eye irritation; molten product may cause thermal burns.
	SKIN May cause mild skin irritation; molten product may cause thermal burns.
	INGESTION Large oral doses may cause irritation to the gastrointestinal tract.
	INHALATION Excessive inhalation of dust or heated vapors may cause irritation to the respiratory tract.
	CHRONIC No information available.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

PICTOGRAM	None
SIGNAL WORD	None
HAZARD STATEMENT(S)	None

PRECAUTIONARY STATEMENTS

PREVENTION	P261: Avoid breathing dust / fume / gas / mist / vapors / spray. P264: Wash skin thoroughly after handling. P280: Wear protective gloves / eye protection / face protection.
RESPONSE	P302+P352: IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS</u>	<u>EINEC NO.</u>	<u>% BY WEIGHT</u>
Octadecanoic acid	57-11-4	200-313-4	100
No Hazardous Ingredients			

SECTION 4 – FIRST AID MEASURES

INHALATION	Remove to fresh air.
SKIN	Wash thoroughly with soap and water for at least 15 minutes. If redness or irritation occurs, seek medical attention. WHEN MOLTEN ONLY (molten product can cause thermal burns): Cool with water or ice.
EYES	Immediately flush eyes with water and continue washing for at least 15 minutes. If redness or irritation occurs, seek medical attention. WHEN MOLTEN ONLY (molten product can cause thermal burns)
INGESTION	No emergency care anticipated.
NOTES TO PHYSICIAN	None.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT	190 °C (374°F)
FIRE EXTINGUISHER MEDIA	Dry chemical, water spray, CO ₂ , foam.
FIRE FIGHTING PROCEDURE	Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTING	Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide; carbon dioxide

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE	<p>This product is insoluble in water and will float on the surface.</p> <p>Avoid dust formation. Avoid dispersion of dust. Sweep up and collect in a suitable container for disposal.</p> <p>When molten: Transfer liquids and solid containment material to suitable containers for recovery or disposal. Allow remaining liquid to solidify, then shovel into containers.</p> <p>Observe government regulations.</p> <p>See <i>Section 7</i> for information on safe handling.</p> <p>See <i>Section 8</i> for information on personal protection equipment.</p> <p>See <i>Section 13</i> for disposal information.</p>
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SECTION 7 – HANDLING AND STORAGE

HANDLING	Avoid breathing dust. Avoid dispersion of dust to reduce fire and explosion potential.
	WHEN MOLTEN ONLY Exercise suitable precautions to avoid thermal burns. Product is normally maintained in a heated, liquid form.
STORAGE	Normal precautions common to good safety practice should be followed in storage. Repair all broken containers immediately.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES COMPONENT	COUNTRY	TYPE	VALUE	REMARK
Stearic acid	USA	PEL, OSHA	5 mg/m ³	Respirable dust
		PEL, OSHA	15 mg/m ³	Total dust
		TWA, ACGIH	10 mg/m ³	Total dust for nuisance particles

No other exposure limits have been established. Consult local authorities for acceptable provincial values.

ENGINEERING MEASURES	Use local ventilation or engineering controls as needed to maintain personnel exposure below TLV.
HYGIENE MEASURES	Handle in accordance with good industrial hygiene and safety practices.
PERSONAL PROTECTIVE EQUIPMENT	
RESPIRATORY PROTECTION	Do not breathe hot vapors. Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area. Use NIOSH/MSMA certified dust mask and / or respirator where appropriate.
SKIN PROTECTION	Rubber or plastic apron.
EYE PROTECTION	Goggles.
HAND PROTECTION	Neoprene.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Solid	COLOR	Off-white
ODOR	Slightly fatty	ODOR THRESHOLD	Not available
pH	Not available	VAPOR PRESSURE	Not available
SOLIDIFICATION	Not available	VAPOR DENSITY	Not available
MELTING POINT	53°-56°C (127°-133°F)	SPECIFIC GRAVITY (H₂O=1)	0.880 g/cm ³ at 25°C (77°F)
BOILING POINT	> 315°C	SOLUBILITY IN WATER	Insoluble
PARTITIONING COEFFICIENT	Not available	SOLUBILITY IN ORGANIC SOLVENTS	No data available
FLASH POINT METHOD	190°C (374°F) Cleveland open cup ASTM D 92	AUTO IGNITION TEMPERATURE	Not available
EVAPORATION RATE	Not applicable	DECOMPOSITION TEMPERATURE	Not available
UPPER EXPLOSION LIMITS	Not available	LOWER EXPLOSION LIMITS	Not available
PERCENT VOLATILES	0% (m)		

SECTION 10 – STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions.
CONDITIONS TO AVOID	None known
INCOMPATIBLE MATERIALS	Strong oxidizing agents.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide; carbon dioxide.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	Not classified. Conclusive but not sufficient for classification.
ORAL LD₅₀	No data available.
INHALATION LC₅₀	No data available.
DERMAL LD₅₀	No data available.
CARCINOGENICITY	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
EYES	May cause slight irritation. Molten product may cause thermal burns.
SKIN CONTACT	May cause slight irritation. WHEN MOLTEN ONLY.
SKIN ABSORPTION	Low acute toxicity.
INHALATION	Vapor or mist from heated material or dust may cause irritation of the respiratory tract.
SWALLOWING	Low acute toxicity. Molten product may cause thermal burns.
REPRODUCTIVE TOXICITY	No data available.
TERATOGENICITY	No data available.
REPRODUCTIVE EFFECTS	No data available.
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE (GLOBALLY HARMONIZED SYSTEM)	No data available.
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE (GLOBALLY HARMONIZED SYSTEM)	No data available.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION	No data available.
BIOACCUMULATIVE POTENTIAL	Bioaccumulative – unlikely.
COMMENTS	Not expected to be acutely toxic to aquatic organisms.

SECTION 13 – DISPOSAL CONSIDERATIONS

GENERAL

It is our opinion that this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determination as to the RCRA status of waste they generate.

We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product. Incinerate in a furnace where permitted under appropriate federal, state, and local regulations.

NON-CLEANED PACKAGES

Dispose of washing solution in same way as product. Subject completely emptied paper bags to paper recycling.

SECTION 14 – TRANSPORT INFORMATION

DOT

This product is not regulated by DOT.

CANADA TRANSPORTATION OF DANGEROUS GOODS

This product is not regulated by TDG.

IMDG CLASSIFICATION

Not classified as dangerous under IMDG regulations.

ICAO CLASSIFICATION

Not classified as dangerous under ICAO regulations.

SECTION 15 – REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS None

302 / 304 EMERGENCY PLANNING
EMERGENCY PLAN None

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ None

EPA HAZARD CATEGORIES

SARA 311 / 312 None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS This product is on the TSCA inventory

NEW JERSEY WORKER AND COMMUNITY RIGHT-TO-KNOW ACT (LABELING REQUIREMENTS)

CHEMICAL NAME

stearic acid

CAS NUMBER

57-11-4

NEW JERSEY TS NUMBER

CALIFORNIA PROPOSITION 65

Does not contain any contaminants or byproducts known by the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 Safe Drinking Water and Toxic Enforcement Act.

CANADA

WHMIS CLASSIFICATION

Not a controlled product.

CPR COMPLIANCE

This Product has been classified with the hazard criteria of the CPR, and the SDS contains all the information required by CPR.

The ingredients in this product are listed in:

Australian Inventory of Chemical Substances (AICS)
Canadian Domestic Substances List (DSL)
Chinese Inventory of Existing Chemical Substances Manufactured or Imported in China (IESCS)
European Inventory of Existing Commercial Chemical Substances (EINECS)
Japanese Existing and New Chemical Substances (ENCS)
Korean Existing Chemicals List (ECL)
Taiwan National Existing Chemical Substance Inventory (NECSI)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)
US Toxic Substances Control Act (TSCA)

STATUS OF CARCINOGENICITY

Not recognized as a carcinogen by the IARC, NTP, or OSHA.

SECTION 16 – OTHER INFORMATION

NFPA 704 RATING

Health
0

Flammability
1

Reactivity
0

HMIS RATING

Health
0

Flammability
1

Reactivity
0

Norac TPSA 1504.0 Date of revision: 13 March 2015 to update required SDS
Prepared by Norac Additives, LLC information
Previous revision 1405.0

DISCLAIMER OF LIABILITY

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