



North Metal and Chemical Company

1. Company Identification and Product Hazard Overview:

Product Name: Sodium Lignosulfonate
Synonyms: Maracell XE, Lignosulfonic acid sodium salt
Recommended Use: Used as a surfactant, binder, dust suppressant, and de-foaming agent
Manufactured by: NORTH Metal and Chemical Company
P. O. Box 1985 609 E. King St.
York, PA USA 17405 York, PA USA 17403
Tel: 717-845-8646 Fax: 717-846-7350
Email: north@nmc-nic.com Website: www.nmc-nic.com

In Case of Emergency Call CHEMTREC (24 Hours): 1-800-424-9300

2. Hazard Identification:

GHS Classification: Acute Toxicity—Dust Inhalation Category 5
Signal Word: WARNING
Pictogram:



Hazard Statements:

H333 : May be harmful if inhaled

Precautionary Statements:

P261 : Avoid breathing dust.
P271 : Use only outdoors or in a well-ventilated area

Response Statements:

P304+P340 : IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 : Call a POISON CENTER or doctor if you feel unwell.

3. Composition/Information on Ingredient:

Common Name: Sodium Lignosulfonate
CAS Number: 8061-51-6

No components need to be disclosed according to the applicable regulations.

4. First Aid Measures:

- Eyes** : Flush eyes with running water for at least fifteen minutes. Remove any contact lenses. If irritation persists, get medical aid.
- Skin** : Flush skin with running water for fifteen minutes.
- Ingestion** : Rinse mouth out and drink a glass of water. If the product is swallowed, do not induce vomiting.
- Inhalation** : If safe to do so, remove individual from further exposure. Supply fresh air. If cough or other symptoms develop, call doctor/poison center immediately.
- PPE first responders** : Dust mask, gloves and safety goggles are highly recommended.

5. Fire Fighting Measures:

- Fire/Explosion Hazard** : Negligible fire hazard when exposed to flame.
- Extinguishing Media** : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- General Hazard** : Evacuate personnel downwind in-order to avoid inhalation of irritating and/or harmful fumes and smoke.
- Fire Fighting Procedures:** This product is a non-flammable substance. No acute hazard.
- Special hazards arising from the substance or mixture: Carbon oxides and Sulphur oxides
- Fire Fighting Equipment:** Full protective equipment (bunker gear) and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. If possible, firefighters should control run-off water to prevent environmental contamination.

6. Accidental Release Measures:

- Protective Gear for Personnel:** : Gloves and dust mask.
- Spill Clean-up Procedures:** : Sweep up and dispose according to state, federal, and local non-hazardous waste laws and regulations. Do not let waste enter the environment.
- Environmental Precaution:** : Do not allow to enter sewers or ground water, or penetrate the soil.

7. Handling and Storage:

- Handling** : Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.
- Storage** : Store in a cool, dry well-ventilated area. Keep containers closed when not in use. Observe all federal, state and local regulations when storing or disposing of this substance.

8. Exposure Controls and Personal Protection:

- OSHA PELV** : 15 mg/M3 (total) and 5 mg/M3 (respirable) (dust as PNOR)
ACGIH TLV : 15 mg/M3 for dust
- Exposure Control** : Adequate ventilation for comfort is recommended
- Engineering Controls** : Use appropriate engineering controls to minimize exposure to dust generated via routine use. Maintain adequate ventilation of workplace and storage areas.
- Personal Protective Equipment** : **Eyes and face:** Wear safety glasses with side shields or goggles when handling this material.
Skin: Wear protective clothing and gloves when handling this product to prevent prolonged skin contact.
Respiratory: Avoid breathing dust or mist. Use NIOSH approved respiratory protection equipment when air borne exposure is excessive.
- Work Hygienic Practices** : Facilities storing or using this material should be equipped with emergency eyewash, and a safety shower. Good personal hygiene practices should always be followed.

9. Chemical and Physical Properties:

Appearance/Color	: Powder/Brown	Partition Coefficient	: Not applicable
Odor	: Slight	Solubility	: Soluble in water 100%
Odor threshold	: Not available	pH (neat)	: 11.5 - 12.5
Flash Point	: Not applicable	Melting Point	: > 130° C
Evaporation Rate	: Not applicable	Freezing Point	: Not applicable
Lower Explosive Limit	: 0.2 oz./cu. ft.	Boiling Range	: Not applicable
Upper Explosive Limit	: 3.5 oz./cu. ft.	% Volatiles by Weight	: 4 - 8 (water)
Auto-ignition Temp	: 400 C for dust	Flammability	: Not flammable
Decomposition Temp	: Not available	Bulk Density	: 0.37 - 0.56
Vapor Pressure	: Not applicable	Water/Oil Dist. Coefficient	: 100% in Water
Vapor Density	: Not applicable	Dry Matter %	: 92 - 96%

10. Stability and Reactivity:

Stability	: The product is stable under normal ambient conditions of temperature and pressure.
Hazardous Decomposition Products	: Typical combustion products
Hazardous Polymerization	: Will not occur
Incompatible Materials	: Contact with strong oxidizing agents
Conditions to Avoid	: In common with many other organic chemicals, the product may in certain circumstances form flammable dust clouds in air.

11. Toxicological Information:

Toxicity Data

LD50	: >5,000 mg/kg
Skin Contact	: Not classified as irritating to the skin
Eye Contact	: High alkalinity of product may cause eye irritation
Sensitization	: None Known

Chronic Toxicity

Carcinogenic Listings	: Not a carcinogen
Mutagenicity	: None known

12. Ecological Information:

Biological oxygen demand (BOD)	: 0.110 lbs. BOD/lb of solids. Partially biodegradable
Chemical oxygen demand (COD)	: 0.385 lbs. COD/lb of solids

13. Disposal Considerations:

Disposal Method	: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.
Product Disposal	: Recycle or reuse whenever possible. Uncontaminated waste may be returned to the manufacturer. Dispose of any contaminated waste product as non-hazardous waste, unless contamination is hazardous in nature.
Packaging Disposal	: Dispose of at a supervised incineration facility or an appropriate waste disposal facility.

14. Transport Information:

Shipping Name	: Not D.O.T regulated
Hazard Class	: Not Dangerous for Transport
UN Number	: None

15. Regulatory Information:

U.S. Federal Regulations:

TSCA Inventory Status : All components of this product are listed on the TSCA inventory.

EINECS listed: Exempt - Polymer

CERCLA Section 103: No

SARA TITLE III (EPCRA) Section 302/304: This product was not found to be on the hazardous chemicals list.

SARA TITLE III (EPCRA) Section 311/312: This product was not found to be on the acute hazard, chronic hazard, fire hazard, or reactivity hazard chemicals lists.

California Proposition 65: This product is not listed.

OSHA process Safety (29CFR1910.119): This product is not listed.

Canadian Domestic Substance List: Listed

Pennsylvania and New Jersey Right to Know Components: Lignosulfonic acid, sodium salt, CAS# 8061-51-6

16. Other Information:

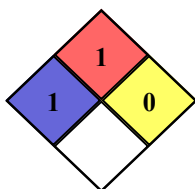
HMIS Rating:*

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	D

RATING	HEALTH	FIRE HAZARD	PHYSICAL HAZARD
0	No significant risk to health	Will not burn	Product stable under ambient temperature and condition.
1	Can cause irritation or minor reversible injury.	Must be preheated to burn	Product can become unstable at high temperatures and pressures.
2	Can cause temporary or residual injury	Ignites when moderately heated	Product can become unstable and cause violent chemical reaction at normal pressures and temperatures
3	Can cause serious injury	Ignition occurs at normal temperature	Product capable of forming explosive mixtures and is capable of detonation in presence of strong initiating source.
4	Can be lethal from single or repeated exposure.	Extremely flammable	Product is highly explosive and unstable. Exothermic reactions possible with decomposition, polymerization, reaction with water or self reaction

Personal Protection D - Face Shield, gloves, and apron

NFPA Rating:*



RATING	HEALTH	FIRE HAZARD	REACTIVITY
0	Minimal Hazard	Will not burn	Normally Stable
1	Can cause significant irritation	Must be preheated to burn	Unstable at high temperatures
2	Can cause temporary incapacitation or residual injury	Ignites when moderately heated	Normally unstable. Can readily go under violent chemical reaction but do not detonate.
3	Can cause permanent injury.	Ignition occurs at normal temperature	Capable of detonation, or of explosive reaction, but requires a strong ignition source.
4	Can be lethal.	Extremely flammable	May explode at normal temperatures and pressures

Revision Date: April 6, 2015

Reasons for Revision : Add necessary data to meet GHS requirements.

The information contained in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, they are not held responsible for loss, injury, and expense arising out of the product's use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this MSDS.