



North Metal and Chemical Company

1. Company Identification and Product Hazard Overview:

Product Name: NorthChem 3016, Zinc Sulfate Monohydrate
Recommended Use: For industrial or agricultural use.
Manufactured by: NORTH Metal and Chemical Company
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York, PA USA 17405 York, PA USA 17403
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In Case of Emergency Call CHEMTREC (24 Hours): 1-800-424-9300

2. Hazard Identification:

GHS Classification: Acute Toxicity—Oral Category 4
Serious Eye Damage/Irritation - Category 2
Signal Word: WARNING
Pictogram:



Hazard Statements:

H303+H333 : May be harmful if swallowed or inhaled
H410 : Very toxic to aquatic life with long lasting effects

Precautionary Statements:

P264 : Wash face, hands, and any exposed skin thoroughly after handling
P270 : Do not eat, drink, or smoke when using this product
P280 : Wear protective gloves/protective clothing/eye protection/face protection

Response Statements:

P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P301+P310 : IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P330 : Rinse mouth

3. Composition/Information on Ingredient:

Common Name: Zinc Sulfate Monohydrate
CAS Number: 7446-19-7
Weight %: 100%

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. Call a physician. Wash contaminated clothing before reuse.
- Ingestion** : Rinse mouth out and drink a glass of water. If the product is swallowed, induce vomiting only if the victim is fully conscious. Never give anything by mouth to an unconscious person.
- 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** : Gloves and safety goggles are highly recommended.

5. Fire Fighting Measures:

- Fire/Explosion Hazard** : Negligible fire hazard when exposed to flame.
- Extinguishing Media** : Use CO₂, dry chemical, or foam. Water may be used ONLY to keep surrounding containers cool
- 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: Zinc oxides and Sulphur oxides
- Fire Fighting Equipment:** Full protective equipment 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 eye goggles.
- Spill Clean-up Procedures:** : Can be carefully reacted with sodium carbonate to form an insoluble zinc carbonate solid that can be scooped up and sent to an approved disposal facility. Keep in suitable closed containers for disposal. Dispose of in accordance with federal, state, and local regulations.
- Environmental Precaution:** : Do not allow to enter sewers or ground water, or penetrate the soil.

7. Handling and Storage:

- Handling** : Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8 .
- 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:

- Exposure Control** : No exposure limits noted for ingredients
- Engineering Controls** : Use adequate exhaust ventilation, especially in confined areas. Maintain eyewash / safety shower stations in areas where chemical is handled.
- 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: Ensure adequate ventilation especially in confined areas.
- 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. Do not eat, drink, or smoke when using this product.

9. Chemical and Physical Properties:

Appearance/Color	: White Granules or Powder	Partition Coefficient	: Not available
Odor	: Odorless	Solubility	: 30-37% @ 21° C, 70° F
Odor threshold	: N/A	Melting/Freezing Point	: 238° C
Flash Point	: Not applicable	Boiling Range	: Not applicable
Evaporation Rate	: Not applicable	Flammability	: Not flammable
Auto-ignition Temp	: Not available	Relative Density	: 3.28
Decomposition Temp	: Not available		
Vapor Pressure	: Not available		
Vapor Density	: Not applicable		

10. Stability and Reactivity:

Stability : The product is stable under normal ambient conditions of temperature and pressure.

Hazardous

Decomposition Products : Toxic gases may be formed by fire

Hazardous

Polymerization : Will not occur

Incompatible Materials : None known

11. Toxicological Information:

Toxicity Data

LD50	: 500 mg/kg oral, rat
Skin Contact	: Avoid contact with skin
Eye Contact	: Avoid contact with eyes
Inhalation	: Do not inhale
Ingestion	: Harmful if swallowed
Sensitization	: None Known

Chronic Toxicity

Carcinogenic Listings	: Not a carcinogen
Mutagenicity	: None known

12. Ecological Information:

Biological oxygen demand (BOD) : Not determined

Chemical oxygen demand (COD) : Not determined

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. Disposal should be in accordance with applicable regional, national, and local laws and regulations

14. Transport Information:

Regulatory Information	UN No.	Proper Shipping Name	Hazard Class	Packing Group
US DOT	3077	Environmentally Hazardous Substance, Solid, NOS (Zinc Sulfate)	9	III
IMDG	3077	Environmentally Hazardous Substance, Solid, NOS (Zinc Sulfate)	9	III
IATA	3077	Environmentally Hazardous Substance, Solid, NOS (Zinc Sulfate)	9	III

15. Regulatory Information:

U.S. Federal Regulations:

TSCA Inventory Status : This product is listed as active on the TSCA inventory

CERCLA Section 103: regulates as a hazardous substance. RQ 1000 lbs

SARA TITLE III (EPCRA) Section 311/312: This product was found to be on the acute and chronic hazard list.

California Proposition 65: This product is not listed.

Pennsylvania and New Jersey Right to Know Components: Zinc Sulfate, CAS# 7733-02-0

16. Other Information:

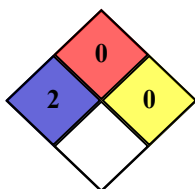
HMIS Rating:*

HEALTH	2
FLAMMABILITY	0
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
1	Can cause irritation or mi-	Must be preheated to	Product can become unstable at high temper-
2	Can cause temporary or residual injury	Ignites when moderate-ly heated	Product can become unstable and cause vio- lent chemical reaction at normal pressures and temperatures
3	Can cause serious injury	Ignition occurs at nor- mal temperature	Product capable of forming explosive mix- tures and is capable of detonation in presence
4	Can be lethal from single or repeated exposure.	Extremely flammable	Product is highly explosive and unstable. Exothermic reactions possible with decompo- sition, 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 signifi- cant irritation	Must be preheated to burn	Unstable at high temperatures
2	Can cause tempo- rary incapacitation or residual injury	Ignites when moder- ately heated	Normally unstable. Can readily go under violent chemical reaction but do not deto- nate.
3	Can cause perma- nent injury.	Ignition occurs at nor- mal temperature	Capable of detonation, or of explosive reac- tion, but requires a strong ignition source.
4	Can be lethal.	Extremely flammable	May explode at normal temperatures and pressures

Revision Date: April 23, 2025

Reasons for Revision : Initial Document Creation.

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