



NORTH Metal and Chemical Co.

1. Company Identification and Product Hazard Overview:

Product Name : NorthQuest 2880
Synonyms : Co-PhosphonoCarboxylic Acid
Recommended Use : Scale and Corrosion inhibitor intermediate.
Manufactured for : 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@northmetal.net Website: www.northmetal.net

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

2. Hazard Identification:

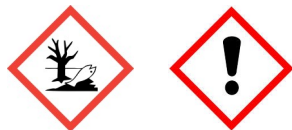
GHS Classification:

Skin Sensitizer (Category 1)

Chronic Aquatic Toxicity (Category 2)

GHS Label Elements

Warning



Hazard Statements:

H317 : May cause an allergic reaction
H401 : Toxic to aquatic life

Precautionary Statements:

P281 : Use personal protective equipment as required
P261 : Avoid breathing dust/fume/gas/mist/vapors/spray
P272 : Contaminated work clothing should not be allowed out of the workplace
P303 + P350 : IF ON SKIN: Wash with plenty of soap and water

Specific Treatment

P332 + P313 : If skin irritation occurs: Get medical advice/attention
P501 : Dispose of contents/container in accordance with all applicable laws and regulations

3. Composition/Information on Ingredient:

Chemical Name : NorthQuest 2880
Chemical Family : Phosphonocarboxylic Acid Mixture
Chemical Formula : Not applicable

Substance:	CAS Number:	Hazard	Compo. (%)
Mixture of Phosphonocarboxylic Acids	143239-08-1	See section 2	38—42%
Water	7732-18-5		Proprietary

4. First Aid Measures:

General advice: Do not get in eyes, on skin, or on clothing. Do not breathe mist/vapors. In the case of skin irritation or allergic reactions see a physician. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety datasheet if possible).

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed: Sensitizing effects.

5. Fire Fighting Measures:

Suitable Extinguishing Media: Water spray, dry powder or foam. Appropriate for the surrounding area.

Specific Hazards Arising from the Chemical:

Hazardous combustion products: Hazardous decomposition products formed under fire conditions— Carbon oxides (COx), phosphorous oxides (POx) and other hazardous compounds.

Unusual Fire or Explosion Hazards: Material can splatter above 100°C/212°F. Cool exposed containers with water spray to prevent over heating. Dry residue of the product may also burn.

Special Protective Actions for Fire Fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Evacuate personnel to safe areas.

6. Accidental Release Measures:

Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Keep away from heat, sparks, flame and other sources of ignition. Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Avoid breathing mist/vapors. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Environmental precautions: Keep run off from entering drains or waterways.

Methods and materials for containment and cleaning up: Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Absorb spill with inert material such as sand or diatomaceous earth. Place into properly labelled, closed acid resistant container for disposal.

Regulatory Requirements: Dispose of recovered material in accordance with all applicable local, state, and federal regulations.

7. Handling and Storage:

Precautions for safe handling:

Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only! Keep away from sources of ignition. Wash Hands thoroughly after handling product. Wash clothing before reuse and decontaminate.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated area. Keep containers tightly closed, and properly labeled. Keep away from incompatible materials and extreme temperatures. Store in accordance with all local, state and federal guidelines. Keep only in original container. Empty containers retain vapor and material residue. Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed.

8. Exposure Controls and Personal Protection:

Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures

HMIS PP, B | Safety Glasses, Gloves

Eye protection: Tightly sealed goggles according to OSHA Standard - 29 CFR 1910.133 or ANSI Z87.1-2010

Body protection: Wear acid-resistant protective clothing. Protective gloves (chemically resistant) according to OSHA Standard - 29 CFR 1910.138.

Respiratory protection: Not normally required under typical use conditions. If exposure levels are exceeded a respirator must be used. If needed use a MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

Exposure Limits:

OSHA (TWA)/PEL): Not Established

ACGIH (TWA/TLV): Not Established

9. Chemical and Physical Properties:

Appearance	: Liquid	Viscosity (mPa.s)	: 90 @ 20°C
Odor	: No data available	Decomposition Temp.	: No data available
Odor threshold	: No data available	Evaporation Rate	: Not available
Color	: Light Yellow	Flammability	: Not flammable
pH (1% Solution)	: 9.5 - 11.5	Upper Explosive Limit	: Not available
Melting Point	: No data available	Vapor Pressure	: Not available
Freezing Point	: No data available	Vapor Density	: No data available
Boiling Range	: No data available	Specific Gravity	: 1.3 - 1.4 @20°C
Flash Point	: No data available	Solubility	: Fully miscible in water

10. Stability and Reactivity:

Reactivity:

Product is stable under normal storage and use conditions.

Chemical stability:

Product is stable under normal storage and use conditions.

Possibility of hazardous reactions:

No data available.

Conditions to avoid:

Avoid temperature extremes, contact with incompatible materials/chemicals and uncontrolled contact with accelerants. Protect from freezing

Incompatible materials:

No data available.

Hazardous decomposition products:

Oxides of Phosphorous & Carbon.

11. Toxicological Information:

Toxicological (health) effects

Information on likely routes of exposure

Inhalation: May cause respiratory irritation.

Eye contact: Causes serious eye damage.

Skin contact: May cause an allergic skin reaction.

Ingestion Harmful if swallowed.

Information on toxicological effects

Acute toxicity - No information available.

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available

12. Ecological Information:

General Notes: All practices must be aimed at eliminating environmental contamination. Do not allow undiluted product or large quantities to enter ground water or sewage systems.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

13. Disposal Considerations:

Disposal methods

Dispose of in accordance with local, state and federal regulations. This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult all applicable regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14. Transport Information:

Federal Department of Transportation:

Not DOT regulated.

15. Regulatory Information:

Safety, health and environmental regulations specific for the product in question:

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory

EPA / CERCLA / SARA TITLE III:

CERCLA List: This product does not contain any CERCLA listed hazardous substances.

Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.

SARA 312: Acute Health Hazards.

RCRA: No data available

16. Other Information:

HMIS: Hazardous Materials Identification System

Numeric Scale for Health (Blue), Flammability (Red), and Physical Hazard (Yellow):

<u>HMIS Rating:*</u>		RATING	HEALTH	FIRE HAZARD	PHYSICAL HAZARD
HEALTH	2	0	No significant risk to health	Will not burn	Product stable under ambient temperature and condition.
FLAMMABILITY	0	1	Can cause irritation or minor reversible injury.	Must be preheated to burn	Product can become unstable at high temperatures and pressures.
PHYSICAL HAZARD	0	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
PERSONAL PROTECTION	D	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 Code D: Face Shield, Safety Goggles, Gloves, & Apron

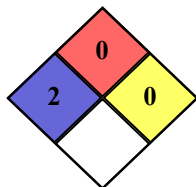


16. Other Information cont.:

NFPA: National Fire Protection Association

Numeric Scale for Health (Blue), Fire Hazard (Red), and Reactivity (Yellow):

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 25, 2022

Reason for Revision: Updated logo and contact information. Formatting. Reviewed for accuracy.

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