



NORTH Metal and Chemical Co.

## 1. Company Identification and Product Hazard Overview:

**Product Name** : NorthQuest 5499; Acrylic Terpolymer Powder  
**Synonyms** : N/A  
**Recommended Use** : Used as a scale inhibitor and dispersing agent in industrial water treatment programs  
**Manufactured for** : NORTH Metal and Chemical Company  
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**In Case of Emergency: Call CHEMTREC (24H): 1-800-424-9300**

## 2. Hazard Identification:

### GHS Classification:

Eye Damage/Irritation (Category 2)

Skin Corrosion/Irritation (Category 3)

Signal Word: WARNING

Pictogram: None

### Hazard Statement(s):

H313 : May be harmful in contact with skin.

H316 : Causes mild skin irritation.

H320 : Causes eye irritation.

### Prevention:

P280 : Wear protective gloves, protective clothing such as apron, boots and safety glasses with side shields.

P264 : Wash all affected body parts thoroughly after handling.

### Response:

P332 + P313 : IF SKIN irritation occurs: Get medical advice/attention from a physician.

P305 + P351 +

P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 : If eye irritation persists : Get medical advice/attention

P312 : Call a POISON CENTER or doctor/physician if you feel unwell.

**Emergency Overview:** 5499 is a white polymer powder that yields a gel like material with the addition of water. It causes extremely slipper conditions when wet. Although not regulated as a hazardous material, the respirable dust is potential respiratory tract irritant.

### Potential Health Effects:

**Eyes:** Dust may cause burning, drying, itching and other discomfort, resulting in reddening of the eyes.

**Skin:** Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to the drying effect.

**Inhalation:** Exposure to the respirable dust may cause respiratory tract and lung irritation and may aggravate existing respiratory conditions.

**Ingestion:** May be harmful if swallowed. Do not swallow.

### 3. Composition/Information on Ingredient:

**Chemical Name** : NorthQuest 5499; Acrylic Terpolymer Powder  
**Chemical Family** : Acrylic based Polymer.  
**Chemical Formula** : Not applicable

Substance:	Hazard	Compo. (%)
Acrylic Terpolymer Powder	See Section 2	94.0 minimum

### 4. First Aid Measures:

**Eyes** : Flush with running water for at least fifteen minutes, periodically lifting upper and lower eyelids. Remove any contact lenses if safe to do so. If irritation persists, get medical aid.

**Skin** : Flush skin with plenty of running water and soap. Remove contaminated clothing. If irritation persists, get medical aid. Clean and dry contaminated clothing thoroughly before reuse.

**Ingestion** : If the product is swallowed, rinse mouth with water and call doctor/poison center immediately. Never give anything by mouth to an unconscious person.

**Inhalation** : If safe to do so, remove individual from further exposure. Keep warm and at rest. If cough or other symptoms develop, call doctor/poison center immediately.

**PPE for first responders** : Gloves and safety goggles are highly recommended.

### 5. Fire Fighting Measures:

**Flash Point (°C)** : No data available.

**Flammable Limits** : Not established

**Auto ignition Temp.** : Not applicable.

**Decomposition Temp.** : No data available.

**Flame Propagation or Burning Rate of Solids** : Not available.

**General Hazard** : Evacuate personnel in-order to avoid inhalation of irritating and/or harmful fumes and smoke. Dust at sufficient concentrations can form explosive mixtures with air. 5499 can cause extremely slippery conditions when wet.

**Extinguishing Media** : Dry chemical, foam, carbon dioxide, and water fog. Do not use a solid stream of water.

#### Hazardous Decomposition

**Products** : Oxides of carbon (CO<sub>x</sub>), sulfur (SO<sub>x</sub>) & Nitrogen (NO<sub>x</sub>) may be evolved during fires.

**Fire Fighting Equipment** : Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (bunker gear) and self-contained breathing apparatus (SCBA) should be used for all fires. Evacuate area and fight fire from safe distance or a protected location. Move fire-exposed containers, if allowable without sacrificing the safety of others and firefighters. If possible without risk, firefighters should control run-off water to prevent environmental contamination.

**Sensitivity to Static Discharge** : No data available.

**Sensitivity to Mechanical Impact** : No data available.

## 6. Accidental Release Measures:

### Protective Gear for Personnel:

**For Small Spill** : Safety glasses or chemical splash goggles, respirator, chemically resistant gloves, chemically resistant boots, and any appropriate body protection to minimize direct contact to the skin.

**For Large Spill** : Triple gloves (rubber and nitrile over latex), chemical resistant suit, boots, hard hat, full face mask/ an air purifying respirator (NIOSH approved). Self contained breathing apparatus must be worn in situations where fumigant gas generation and low oxygen levels are a consequence of contamination from the leak.

**Spill Clean-up Hazard(s)** : **AVOID INHALATION OF DUST DURING CLEAN UP. ENSURE ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR. EXTREMELY SLIPPERY CONDITIONS ARISE WHEN THIS PRODUCT IS IN CONTACT WITH WATER.**

**Spill Clean-up** : In the event of a spill, material should be swept or shoveled (if possible) and placed in a properly labeled waste disposal container immediately. Pick up and arrange disposal without creating dust. Dispose waste according to state, federal and local regulations.

**Environmental Precaution:** Water spill: use appropriate containment to avoid run off or release to sewer or other waterways.  
Land spill: use appropriate containment to avoid run off or release to ground.  
General precaution: remove containers of strong acid and alkali from the release area.

**Release Notes** : If spill could potentially enter any waterway, including intermittent dry creeks, contact local authorities.

## 7. Handling and Storage:

**Handling:** Use appropriate personal protective equipment as specified in Section 8. Handle the product in a well-ventilated area. Handle in a manner consistent with good industrial/manufacturing techniques and practices. Avoid contact with skin and eyes. Avoid dust formation. Wash hands thoroughly with soap and water after use. Remove contaminated clothing and protective equipment before entering eating areas.

**Storage :** Store in a cool, dry well-ventilated area. Keep containers closed when not in use. Keep away from incompatible material and conditions. Avoid all sources of ignition. Moisture sensitive - Keep dry.

**Recommended Storage Temperature:** 1.0 °C - 49.0 °C

## 8. Exposure Controls and Personal Protection:

**Engineering Controls** : Use appropriate engineering controls to minimize exposure to vapors or 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:** Avoid direct contact with skin. Wear chemically resistant gloves, apron, boots or whole bodysuit when handling this product.

**Respiratory:** Avoid breathing vapor or dust. Use respirators and components tested and approved under appropriate government standards such as NIOSH or CEN. Wear respirator with a high efficiency filter such as N95/N100 (US) if particulate concentration in the work area exceeds 0.05 mg/m<sup>3</sup> over an eight hour period. If the respirator is the sole means of protection, use a full-face supplied air respirator.

**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.

**Exposure Limits** : No data available.

## 9. Chemical and Physical Properties:

<b>Appearance</b>	: Fine Powder	<b>Viscosity (cPs) @ 25 °C</b>	: No data available.
<b>Odor</b>	: Characteristic	<b>Decomposition Temp.</b>	: No data available.
<b>Odor threshold</b>	: No data available.	<b>Evaporation Rate</b>	: No data available.
<b>Color</b>	: White to Off-White	<b>Flammability</b>	: No data available.
<b>pH 1% Solution</b>	: 3.0-6.0	<b>Upper Explosive Limit</b>	: No data available.
<b>Melting Point</b>	: No data available.	<b>Vapor Pressure</b>	: No data available.
<b>Freezing Point</b>	: No data available.	<b>Vapor Density</b>	: No data available.
<b>Boiling Range</b>	: Not Applicable	<b>Sp. Gravity @ 25 °C</b>	: No data available.
<b>Flash Point</b>	: No data available.	<b>Solubility</b>	: No data available..

## 10. Stability and Reactivity:

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

**Hazardous Polymerization:** Will not occur.

**Decomposition Products** : Thermal decomposition may yield acrylic monomers. Fire may yield toxic fumes of CO<sub>x</sub>, Sox & NO<sub>x</sub>

**Incompatible Materials** : Strong oxidizing agents.

**Conditions to Avoid** : Avoid exposure to extreme temperatures, contact with incompatible chemicals, uncontrolled contact with accelerants. Avoid dust formation.

## 11. Toxicological Information:

### Acute Toxicity Data:

Oral LD <sub>50</sub>	: > 5000 mg/kg (Rat) Similar Product
Dermal LD <sub>50</sub>	: >2000 mg/kg (Rat) Similar Product
Inhalation LD <sub>50</sub>	: No data available

### Corrosion/Irritation:

Skin	: No data available.
Eyes	: No data available.

### Sensitization:

Respiratory	: No data available.
Skin	: No data available.

**Carcinogenicity** : No data available.

**Mutagenicity** : No data available.

**Reproductive Effects** : No data available.

**Teratogenic Effects** : No data available.

**Routes of Exposure** : Eyes, Skin, Inhalation.

**Chronic Toxicity** : No data available.

## 12. Ecological Information:

All work practices must be aimed at eliminating environmental contamination.

- Biodegradability** : No data available. **Bio Accumulative Potential** : No data available.
- Terrestrial Ecotoxicity** : This material may be harmful or fatal to contaminated plants or animals, especially if large volumes are released into the environments.
- Aquatic Ecotoxicity** : This material may be harmful or fatal to the aquatic environments if large volumes are released.
- Aquatic Invertebrates:** No data available.
- Mobility in Soil** : No data available.
- Other Adverse Effects** : No data available.

## 13. Disposal Considerations:

- Disposal Method** : Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.
- For Large Spills** : Contain material and call local authorities for emergency assistance.
- Product Disposal** : Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable local, state and federal laws, regulations and product characteristics at time of disposal.
- Empty Container** : Contaminated container should be labeled and disposed in accordance to local, state and federal laws and regulations.
- General Comments** : Refer to section 6, accidental release measures for additional information.

## 14. Transport Information:

Regulatory Information	UN No.	Proper Shipping Name	UN Class	Packing Group	Labels
US DOT	None	Not Regulated	None	-	None

## 15. Regulatory Information:

**U.S. Federal Regulations:**

**TSCA Status:** All components of this product are in compliance with TSCA

**CERCLA Section 103 (40 CFR 302.4):** No components of this products are listed.

**Section 311/312 Categorizations (40 CFR 370):** Chronic Health Hazard.

**SARA Section 313:** No components of this products are listed.

## 16. Other Information:

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.