

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 521 Tower Treatment

Description: Alkaline Liquid

Product Code: NTA 521TT

Suggested Use: Scale and corrosion inhibitor

Restrictions on Use: None

Supplier: NuTech Specialties, Inc.
9811 South 6150 West
West Jordan , UT 84081

Telephone: 801-253-1000 (M-F) 8:00-5:00

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Emergency Phone: 800-633-8253

2. HAZARDS IDENTIFICATION

Classification:

GHS Classification: Skin irritation 2, Eye damage 1

GHS Label Elements

Pictogram:



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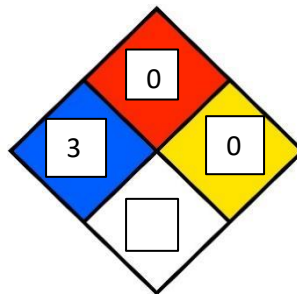
Signal Word: Danger

Hazard Statements: H315 – Causes skin irritation.
H318 – Causes serious eye damage.

Precautionary Statements: 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.

P280: Wear protective gloves/protective clothing/eye protection/face protection.



HMIS Classification:

NFPA Rating:

Health	3
Fire	0
Reactivity	0
Personal Protection	C

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Potential Health Effects:

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
<u>2 Phopherobatane-124-tricarboxylic Acid</u>	<u>37971-36-1</u>	<u><5%</u>
<u>Poly Maleic Acid</u>	<u>26099-09-2</u>	<u><5%</u>
<u>Sodium Hydroxide</u>	<u>1310-73-2</u>	<u><5%</u>

Synonyms: PMA
PBTC

4. FIRST AID MEASURES

If Inhaled: If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced

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- Skin Contact:** Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.
- Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.
- If Ingested:** Do not induce vomiting unless instructed to do so by physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

5. FIREFIGHTING MEASURES

- Extinguishing Media:** Use water-spray, alcohol resistant foam, dry chemical, or carbon dioxide
- Hazardous Combustion Products:** Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained.
- Special Protective Equipment for Firefighters:** In fire conditions: a complex mixture of airborne solids, liquids, and gases including Carbon Monoxide, Carbon Dioxide, and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

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Personal Precautions: Use personal protective equipment. Always ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into environment must be avoided.

Containment and Clean Up: Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Safe Handling: Keep away from flames and hot surfaces. Use personal protective equipment. Always ensure adequate ventilation.

Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Sodium Hydroxide	1310-73-2	2mg/m ³	ACGIH

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General Controls: Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

Personal Protective Equipment

Eye Protection: Tightly fitting safety glasses or goggles should be sufficient. Have eye-wash stations available where eye contact can occur.

Hand Protection: Handle with chemical resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.

Skin Protection: Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in work area where skin contact can occur.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. Always ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Amber
Odor:	Mild

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Odor Threshold:	N/A
pH:	13
Melting/Freezing Point:	32°F
Boiling Point:	212°F
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (Solid, Gas):	N/A
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1.1
Density:	1.1
Solubility in Water:	Completely Soluble
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions

Conditions and Materials to Avoid: Acids

Hazardous Decomposition Products: Sodium Oxides

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11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
Sodium Hydroxide	1310-73-2	Oral Rat	140-340 mg/kg

Potential Health Effects

Inhalation:

Skin:

Eyes:

Ingestion:

Signs and Symptoms of Exposure:

Chronic Effects of Long Term Exposure:

Carcinogenicity:

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12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Poly Maleic Acid	26099-09-2	Fish	100 mg/L
PBTC	37971-36-1	Fish	1000 mg/L
Sodium Hydroxide	1310-73-2	Fish	45 mg/L

Ecological Effects
and harm aquatic organisms.

Do not empty into drains, large amounts will affect pH

Persistence and Degradability:

Bioaccumulation Potential: No evidence this material will bioaccumulate

Mobility in Soil: will likely be mobile, due to its solubility.

Other Adverse Effects:

13. DISPOSAL CONSIDERATIONS

Disposal: Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.

Contaminated Packaging: Dispose of as unused product.

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14. TRANSPORT INFORMATION

Not DOT Regulated

DOT Information

Proper Shipping Name:

UN Number:

Hazard Class:

Packing Group:

Reportable Quantity (RQ):

Marine Pollutant:

Note:

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None

SARA 311/312 Hazards: Acute Health

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SARA 313 Components: None

TSCA Inventory:

European Union

EC Inventory: No

State Regulations

Utah Clean Air: No

16. OTHER INFORMATION

SDS Version: 1.0

Revision Date: 1/3/2022

Supersedes:

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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Validated on:

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