

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Super Hot Tank Cleaner

Description: Caustic Powder

Product Code: NTP HTC

Suggested Use: Hot Tank Cleaner

Restrictions on Use:

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

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

Fax: 801-280-0307

Emergency Phone: 800-633-8253

2. HAZARDS IDENTIFICATION

Classification:

GHS Classification: Corrosive to metals 1
Skin corrosion 1A
Serious eye damage 1
Specific Target Organ Toxicity (Single Exposure)3
Target Organs - respiratory system

GHS Label Elements

Product: Super Hot Tank Cleaner

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Pictogram:



Signal Word:

Danger

Hazard Statements:



H290 – May be corrosive to metals.

H314 – Causes severe skin burns and eye damage.

H335 – May cause respiratory irritation.

Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash   thoroughly after handling.

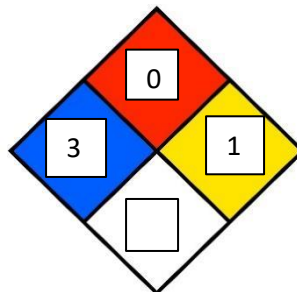
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

HMIS Classification:



NFPA Rating:

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Health	3
Fire	0
Reactivity	1
Personal Protection	C

Potential Health Effects:

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
Sodium Hydroxide	1310-73-2	75%
Potassium Hydroxide	1310-58-3	10-20%
Disodium Trioxosilicate	6834-92-0	10-20%

Synonyms:

Product: Super Hot Tank Cleaner

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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
- 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.

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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

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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Sodium Hydroxide	1310-73-2	2 mg/m ³	OSHA
Potassium Hydroxide	1310-58-3	2mg/m ³	ACGIH

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder
Color:	White
Odor:	Odorless
Odor Threshold:	N/A
pH:	13 at 1% water solution
Melting/Freezing Point:	N/A
Boiling Point:	N/A
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:	50% in water
Density:	N/A
Solubility in Water:	N/A
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

10. STABILITY AND REACTIVITY

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Chemical Stability: Stable under normal conditions
Conditions and Materials to Avoid: Strong acids and powdered metals
Hazardous Decomposition Products: Oxides of sodium and potassium

11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
Sodium Hydroxide	1310-73-2	Oral Rat	140-340 mg/kg
Potassium Hydroxide	1310-58-3	Oral Rat	373 mg/kg
Disodium Trioxosilicate	6834-92-0	Oral Rat	1153 mg/kg

Potential Health Effects

Inhalation: Severe respiratory irritation

Skin: Corrosive

Eyes: Corrosive

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Ingestion: Corrosive

Signs and Symptoms of Exposure: Burning and itching

Chronic Effects of Long Term Exposure: N/A

Carcinogenicity: None

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Sodium Hydroxide	1310-73-2	Freshwater fish	45 mg/L
Potassium Hydroxide	1310-58-3	Mosquito Fish	80 ppm

Ecological Effects Large amounts will effect pH and harm aquatic organisms

Persistence and Degradability: Not likely to be persistent.

Bioaccumulation Potential: Not likely to bioaccumulate.

Mobility in Soil: Mobile due to its solubility.

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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.

14. TRANSPORT INFORMATION

DOT Information

Proper Shipping Name: Corrosive Solid NOS (Sodium Hydroxide)

UN Number: UN 1759

Hazard Class: 8

Packing Group: II

Reportable Quantity (RQ): 1000 lbs.

Marine Pollutant: No

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Note:

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None

SARA 311/312 Hazards: Acute (immediate) health hazard, reactive hazard

SARA 313 Components: None

TSCA Inventory: Yes

European Union

EC Inventory:

State Regulations

Utah Clean Air: N/A

16. OTHER INFORMATION

SDS Version: 1.0

Product: Super Hot Tank Cleaner

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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:

Product: Super Hot Tank Cleaner