



# SAFETY DATA SHEET

## Section 1: Identification of the Substance/Mixture and of the Supplier

**Product Name:** HOT TANK POWDER  
**Proper Shipping Name** Corrosive Solid, Basic, Inorganic, N.O.S.  
**Recommended use:** Immersion Hot Tank Booster  
**Company Details** Marketing Chemicals Ltd  
**Address:** 2 Rymer Place, Mangere Bridge,  
Auckland. New Zealand  
**Telephone:** +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]  
**Fax:** +64 9 634 3864  
**Emergency Telephone:** +64 274 736008(24 hours)  
National Poison Centre(24 hours): 0800 POISON [ 764 766]  
**Date of preparation** 19 October 2014

## Section 2: Hazard Identification



### DANGER:

- Harmful if swallowed
- Causes severe skin burns and eye damage.
- May be corrosive to metals.
- Harmful to aquatic life.
- Harmful in contact with skin.

**Cleaning Products (Corrosive) Group Standard 2006**  
**HSNO Approval Number: Group Standard HSR002526.**  
**HSNO Classes:** 6.1D, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C

### Prevention Statements:

- Keep out of reach of children.
- Read label before use.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves and eye/face protection.
- Avoid release to the environment.

### Response Statements

- If medical advice is needed, have product container or label at hand.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- Immediately call a POISON CENTER or doctor/physician.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Collect spillage.

### Storage Statements

- Store locked up.

## Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Sodium Metasilicate pentahydrate	<60	10213-79-3
Sodium Hydroxide	<60	1310-73-2

## Section 4: First Aid Measures

<b>Eyes:</b>	If medical advice is needed, have product container or label at hand. Immediately call a POISON CENTER or doctor/physician. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin:</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
<b>Inhalation:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

## Section 5: Fire Fighting Measures

<b>Flash Point:</b>	N/A
<b>Auto ignition Temperature:</b>	Not available
<b>Flammable Limits in Air % by Volume:</b>	Not available
<b>Extinguishing Media:</b>	Dry chemicals and carbon dioxide.
<b>Fire Fighting Instructions:</b>	
<b>Unusual Fire and Explosion Hazards:</b>	Possible explosive hazards. Heating may cause a fire or explosion.

## Section 6: Accidental Release Measures

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal.

## Section 7: Handling And Storage

Store at temperatures not exceeding 40°C. Protect from sunlight. Store away from other materials.

**Handling & Storage:**

Do not get in eyes or skin or on clothing. Do not breathe dust. Keep container closed. Use only with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling. Add small amounts of product slowly and evenly over single addition, Water should not exceed 70<sup>0</sup> C during addition.  
Do NOT store near strong acids.

**Section 8: Exposure Controls/Personal Protection****Engineering Controls:**

General (mechanical) room ventilation is considered satisfactory in enclosed spaces.

**Eye / Face Protection:**

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye-flushing equipment immediately available.

**Body Protection:**

PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.

**Respiratory Protection:**

Avoid breathing vapour or mist. Use NIOSH approved respiratory protection equipment appropriate to the material

**Exposure Limits:**

Not available

**Section 9: Physical And Chemical Properties**

Appearance	White Crystals
Boiling point	> 100°C
Specific Gravity	1.0 – 1.1
Vapour Pressure	Not available
Vapour Density	Not available
Solubility in water	18 g/l in water
pH	11 – 13
Odour	Nil

**Section 10: Stability And Reactivity****Stability of the Substance:**

Stable under normal conditions

**Conditions to avoid:**

Heat

**Materials to avoid:**

Strong acids

**Hazardous Decomposition Products:**

Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminium. Hydrogen gas can result in explosive hazards in confined spaces.

**Conditions Contributing to Hazardous Polymerization****Section 11: Toxicological Information**

No information available for this product.  
Information for Sodium metasilicate, pentahydrate

**Eyes:** Contact with the eyes causes disintegration and sloughing of conjunctiva and corneal epithelium, corneal opacification, marked edema, and ulceration; After 7 to 13 days either gradual recovery begins, or there is progression of ulceration and corneal opacification. Complications of severe eye burns are symblepharon (adhesion of the lid to the eyeball) with overgrowth of the cornea by a vascularized membrane, progressive or recurrent corneal ulceration, and permanent corneal opacification.

**Skin:** SPECIES: Rabbit; ENDPOINT: LD50; VALUE: 1350 mg/kg  
Corrosive irritant.  
SPECIES: Mouse; RESULT: Highly corrosive.  
REMARK: EC Classification = Highly corrosive (causes severe burns).

**Ingestion:** Ingestion of this chemical is the most common route of entry with subsequent corrosive injury of the gastrointestinal tract being the major concern rather than systemic absorption as for other toxins. Acute oral toxicity LD50 to rats is 1280 mg/kg as a 10% aqueous solution. Acute oral toxicity LD50 to mice is 2400 mg/kg as a 10% aqueous solution

**Inhalation:**

## Section 12: Ecological Information

SPECIES: Rat  
ENDPOINT: LD50;VALUE: 1280 mg/kg (as a 10% aqueous solution)

Sodium Nitrite:

ACUTE

SPECIES: Oncorhynchus mykiss (Rainbow trout,donaldson trout)

TYPE OF EXPOSURE: Flow through; DURATION: 96 hr

ENDPOINT: LC50 Mortality; VALUE: 110, 92 - 130 ug/L [= 0.11 mg/L]

CHRONIC

SPECIES: Salmo gairdneri (Fish, estuary, fresh water)

TYPE OF EXPOSURE: DURATION: 49 day

ENDPOINT: NOEC ;VALUE: 0.05 mg/l

Bio-accumulative: No

## Section 13: Disposal Considerations

Dispose through Licensed Disposal Company

## Section 14: Transport Information



**UN No:** 3262  
**Proper Shipping Name:** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.  
**Dangerous Goods Class:** 8

**Subsidiary risk**

**Packing Group:** III

### **Section 15: Regulatory Information**

**HSNO Approval No:** HSR002526

**Group Standard:** Cleaning Product(Corrosive)

**HSNO Classes:** 6.1D, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C

### **Section 16: Other Information**

**New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]**

**New Zealand Emergency Services: 111**

**For General Information:** John Crombie, Manager, Marketing Chemicals Ltd,  
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End of Safety Data Sheet.