



EMERGENCY TELEPHONE NUMBER: +27 11 976 2115  
TELEPHONE +27 11 393-9000  
FAX +27 11 393-9005  
PO BOX 150 KEMPTON PARK 1620 SOUTH AFRICA

SITUATED AT: NCP CHLOORKOP FACTORY SITE  
HYTOR STREET  
CHLOORKOP  
KEMPTON PARK

## MATERIAL SAFETY DATA SHEET

### HTH<sup>®</sup> XTREME FLOCC

#### 1. PRODUCT IDENTIFICATION

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**Product Name:** HTH<sup>®</sup> Xtreme Flocc  
**Chemical Name:** Aluminium Chlorhydrate  
**Synonyms:** Polyaluminium Chloride  
**Chemical Family:** Cationic Flocculant  
**Formula:** Mixture  
**Description:** Cationic Flocculant  
**Classification:** Aqueous solution 50% active

#### 2. COMPOSITION/INFORMATION OF INGREDIENTS

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Ingredient	CAS No	UN No	%
Aluminium Chlorhydrate	1327-41-69	3265	30 - 70

#### 3. HAZARD IDENTIFICATION

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**Hazchem Code:** 2R  
Corrosive to eyes, skin and human tissue

#### 4. FIRST-AID MEASURES

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**Inhalation:**

Remove victim to fresh air. Oxygen may be beneficial.

**Skin Contact:**

Remove contaminated clothing and wash skin with plenty of running water for 20 minutes. If irritation persists, seek medical advice.

**Eye Contact:**

Flush with gently flowing water for 20 – 30 minutes holding the eyelids open. Neutral saline solution may be used if available. If irritation persists, seek medical advice.

**Ingestion:**

DO NOT INDUCE VOMITING. Drink water, milk may be administered after water. If vomiting occurs, rinse mouth and repeat administration of water and if victim is comatose or semi-comatose do not administer anything by mouth. Consult doctor.



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## 5. FIRE FIGHTING MEASURES

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**Flammability:** Non-flammable.

**Combustible:** Will not support combustion

**Pyrophoric:** Will not support combustion

**Flash Point:** Non-flammable

**Extinguishing media:** Use extinguishing media appropriate to the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

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Product is extremely slippery, wear personal protection. Do not dispose large volumes into municipal drains or sewers.

**Small spills:**

Absorb with sawdust. pH may be neutralized with sodium carbonate.

**Large spills:**

Contain and cover with soil or inert material. Collect in suitable containers and dispose at approved chemical site.

## 7. HANDLING AND STORAGE

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**Handling precautions:**

Store in a cool place. Avoid temperatures above 40°C and below freezing point.

**Storage Conditions:**

As above.

Appropriate containers – PVC, HDPE, Polypropylene, Stainless Steel and Teflon

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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Neoprene boots and goggles, chemical resistant clothing as decomposition products are corrosive.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Colour and odour:** Clear to slightly hazy colourless liquid, mild odour

**SG @ 20°C:** 1.3 – 1.4

**pH (neat):** 3.5 – 4.5

**Solubility in water:** Miscible

**UN No.:** 3264



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## 10. STABILITY AND REACTIVITY

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### Decomposition Temperatures:

Thermal decomposition may liberate hydrogen gas and hydrogen chloride gas.

### Incompatible Materials:

Strong oxidizing agents. Will corrode iron, copper and aluminium. Strong alkalis.

## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity:** LD50 (oral, rat); 12.8g/kg

## 12. ECOLOGICAL INFORMATION

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**Aquatic Toxicity – Fish:** Rainbow Trout 96 Hour LC50; 405mg/L

**Aquatic Toxicity – Daphnia:** Daphnia Magna: 48 Hour LC50; 233.2mg/L

## 13. DISPOSAL CONSIDERATION

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Disposal must be made in accordance with the applicable government regulations at approved chemical sites.

## 14. TRANSPORT INFORMATION

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**UN No:** 3265  
**UN Proper Shipping Name:** Corrosive Liquid, Acid Organic, N.O.S  
**Transport Hazard Class:**  
**Packaging Group:** III  
**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

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**EEC Hazard Classification:** Not available

**Safety Phrases:** Keep locked up and out of reach of children. Keep container tightly closed and dry. After contact with skin, wash immediately with plenty of water.



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## 16. OTHER INFORMATION

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