



## Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : H – 100  
Family Name : Hardener  
Company : PT. Gelora Citra Kimia Abadi  
Address : Jl. Raya Kranggan – Pringsurat Km.2 Desa Nguwet Kelurahan Kranggan  
Kabupaten Temanggung, Jawa Tengah 56271, Indonesia  
Contact Number : (0293) 3219966; Fax (0293) 3219968  
Main Office : Kobexido Tower Lt. 5 Jl. Pasir Putih Raya Blok E-5-D Ancol Timur, Jakarta  
Utara 14430, Indonesia  
Contact Number : (021) 6459747 ( Hunting ); Fax (021) 6459780

### 2. HAZARDS IDENTIFICATION

Hazard statements : Harmful if swallowed.  
Causes serious eye irritation  
Toxic to aquatic life with long lasting effects.

#### Potential Health Effects

Eye : Causes eye irritation.  
Skin : May cause skin irritation. May be harmful if absorbed through the skin.  
Ingestion : May cause irritation of the digestive tract. May cause systemic toxicity with acidosis.  
May be harmful if swallowed.  
Inhalation : If heated, dust or fume may cause respiratory tract irritation. May be harmful if inhale.

#### Chronic Effect/ Carcinogenicity

Prolonged or repeated skin contact may cause dermatitis. Ammonium ions may accumulate in individuals with liver or kidney disease producing jerky respirations and periods of apnea.

#### Element Label



### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Weight (%)
Ammonium Chloride	12125 – 02 - 9	99
Calcium Phosphate	7758 – 87 – 4	1

### 4. FIRST AID MEASURES

**Eyes** :  
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

**Skin :**

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid at once.

**Ingestion :**

Do not induce vomiting. If victim is conscious, give 2-4 glasses of water or milk. Get medical aid at once.

**Inhalation :**

Give artificial respiration if necessary. Move victim to fresh air. Keep victim warm and at rest. Get medical aid at once.

**Note To Physicians :** Treat symptomatically and supportively.

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## 5. FIRE FIGHTING MEASURES

**General Information :**

Negligible fire and explosion hazard when exposed to heat or flame. Irritating and highly toxic gases may be generated by thermal decomposition or combustion. Move container if possible; avoid breathing vapors or dust. May polymerize explosively in a fire.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

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## 6. ACCIDENTAL RELEASE MEASURES

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately. Avoid creating airborne particles. Provide ventilation.

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## 7. HANDLING AND STORAGE

**Handling:**

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

**Storage:**

Store capped at room temperature. Protect from heat and incompatibles.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Personal Protective Equipment**

**Eyes :**

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear appropriate protective eyeglasses or chemical safety goggles

**Skin :**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing :**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Crystalline White powder
Odor	: Odorless
Solubility In Water	: Soluble
pH	: 4.5 – 6.5 at 200 gr/L of water
Freezing / Melting Point:	Not Applicable
Boiling Point	: 520°C (sublimes)

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**10. STABILITY AND REACTIVITY****Chemical Stability:**

Stable at room temperature in closed containers under normal storage and handling conditions.  
Hygroscopic; absorbs moisture from the air.

**Conditions to Avoid:**

Excess heat, exposure to moist air or water.

**Incompatibilities with Other Materials:**

Acids, bases, bromine trifluoride, nitrates, potassium chlorates, silver salts, carbonates, bromine pentafluoride, lead salts.

**Hazardous Decomposition Products:**

Ammonia and hydrochloric acid fumes.

**Hazardous Polymerization:**

May occur.

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**11. TOXICOLOGICAL INFORMATION****LD<sub>50</sub>/LC<sub>50</sub>:**

Draize test, rabbit, eye: 500 mg/24 H Mild;  
Draize test, rabbit, eye: 100 mg Severe;  
Oral, mouse: LD<sub>50</sub> = 1300 mg/Kg;  
Oral, rat: LD<sub>50</sub> = 1650 mg/Kg.

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**12. ECOLOGICAL INFORMATION**

No Information available for this product.

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**13. DISPOSAL CONSIDERATION**

Dispose of this product in accordance with federal, state and local environmental control regulations.  
Do not flush into the sewer.

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**14. TRANSPORT INFORMATION**

Follow all regulation in your country.

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**15. REGULATORY INFORMATION**

Follow all regulation in your country.

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**16. OTHER INFORMATION**

The information presented herein was prepared for your reference in the best of our knowledge it is given in good faith but no warranty expressed or implied made.

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