



Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : H – 103
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.

Element Label



3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Weight (%)
Ammonium Chloride	12125 – 02 - 9	0.5
Citric Acid	5949 – 29 – 1	99.5

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.

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.

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.

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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Crystalline White powder
Odor	: Odorless
Solubility In Water	: Soluble
pH	: 1.5 – 3.0 at 200 gr/L of water
Freezing / Melting Point:	Not Applicable
Boiling Point	: Not Applicable

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:

Strong alkalis. Strong oxidizing agents.

Hazardous Decomposition Products:

Fire or high temperatures create: Irritating gases/vapours/fumes of : Carbon monoxide (CO), Carbon dioxide (CO₂)

Hazardous Polymerization:

May occur.

11. TOXICOLOGICAL INFORMATION**LD₅₀/LC₅₀:**

Oral, mouse: LD₅₀ = 5040 mg/Kg;

Oral, rat: LD₅₀ = 3000 mg/Kg.

12. ECOLOGICAL INFORMATION

No Information available for this product.

13. DISPOSAL CONSIDERATION

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

14. TRANSPORT INFORMATION

Follow all regulation in your country.

15. REGULATORY INFORMATION

Follow all regulation in your country.

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.
