

MATERIAL SAFETY DATA SHEET

1. Chemical Product

Brand name & code : **CM 6830**
Company Identification : PT Crystal Anugerah Abadi
Green Sedayu Bizpark
Jl. Daan Mogot KM 18, Blok DM9 No.31
Jakarta Barat - 11840
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2. Composition / information on ingredients :

Component	CAS	% by wt.	Exposure guidelines
1 Hydroxyethylene diphosphonic acid	2809-21-4	< 15%	Not Available

3. Hazards Identification:

Environmental hazards:

This preparation is classified as coorsive liquid.

Physical / chemical Hazards:

Non acidic corrosive liquid.

Contact with acid generates heat .

4. First Aid Measures:

Skin – Remove contaminated clothing. Wash skin thoroughly with soap and water.

Eyes - Flush eyes liberally with low-pressure water for at least 15 minutes, lift the eyelids occasionally to aid in removal of material.

Inhalation - Immediately move personnel to area of fresh air. For respiratory distress, give air, oxygen or administer CPR (Cardiopulmonary Resuscitation), if necessary. Obtain medical attention immediately.

Ingestion - Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Obtain medical attention

5. Fire Fighting Measures:

Fire extinguishing media : Not expected to burn, use extinguishing media appropriate for surrounding fire

Basic fire fighting procedure :- Water spray is recommended to cool fire exposed surfaces and to protect personnel. Wear self contained breathing apparatus.

Unusual fire & explosion hazards :- Not available

6. Accidental Release Measures :

Personnel precautions – Use personnel protective equipment, breathing apparatus required only in fire situation.

Environmental precautions – Do not flush into surface area or sanitary sewer system, use absorbent like sand or absorbent materials, saw dust, waste cotton etc. to contain spill prevent material from entering soil and waterways.

7. Handling and storage :

Handling precautions – Avoid contact with eyes, skin and clothing. Use adequate ventilation

Storage conditions – . Store separately from other acids, alkalies & oxidizing materials. ,

8. Exposure controls / personnel protection :

Personal protective equipment: -

Eye protection – Wear chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent)

Skin & body protection – Where splashing is possible, fully chemical resistant protective light weight clothing (chemical resistant apron) and safety boots are required.

Respiratory protection An approved respirator must be worn, if the occupational exposure limit is likely to be exceeded, filter type A/P –3.

9. Physical and chemical properties :

Appearance :	Clear Colorless Liquid	Odour :	Odourless
Form :	Liquid at 25°C	Boiling point :	>100°C
Density :	0.95 – 1.3	pH :	< 4
Solubility :	Freely soluble in water in all proportions.		

10. Stability and reactivity :

Stability / incompatibility – Stable at ambient temperature

Conditions to Avoid: Keep from freezing. Corrosive to metal. Do not mix with alkaline materials and acid reactive salts such as nitrites and sulphites. Use standard hygiene practices to maintain product integrity.

* Hazardous de-composition products –, Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, phosphorus, sulfur and nitrogen oxides, as well as other materials.

10. Toxicity Information :

Acute toxicity Data – The following results are for the active

Acute lethality Values – Not known

11. Ecological information :

ENVIRONMENTAL DATA:	No data available for the product.
CHEMICAL FATE INFORMATION:	No data available for the product

12. Disposal considerations :-

Waste disposal – DISPOSAL METHOD:

Open dumping or burning of this material is prohibited. An acceptable method of disposal is to burn in an incinerator in accordance with all local, state and federal environmental laws, rules, standards and regulations. The appropriate regulatory agencies should be contacted prior to disposal. If the product was supplied in a single use container, care should be taken to disposal of the container in a responsible manner and in accordance with applicable regulations. Label precautions should be followed .

13. Transport information :-

PROPER SHIPPING NAME: Corrosive liquid, organic, N.O.S. (contains Carboxylic polymer, organophosphanate in partially to complete neutralized form)

PRIMARY HAZARD CLASS/DIVISION: 8 (Corrosive)

UN/NA NUMBER: UN 3265

PACKING GROUP: III

PLACARDS: Corrosive

LABEL: Corrosive

Dot Marking: Corrosive liquid, organic,

Hazardous Substances RQ: Not applicable

Em S : F-A , S-B

14. Regulatory information :-

Classification And Labeling According To ECC Directives

Hazard Symbol : TOXIC

Hazard Symbol : Corrosive for the environment

Governing Directive: Dangerous Substances Directive 67/548/Eec

Label Name : Corrosive liquid, Toxic

Nature Of Special Risk

R25 Toxic if swallowed

R 34 Causes burns

R50 Toxic to aquatic organisms

Safety Advice S36/37/39 Wear suitable protective clothing and eye / face protection

S26 In case of contact with eyes rinse immediately with plenty of water

15. Other information :-

Recommended use –Antiscalant for Water Treatment.