

MATERIAL SAFETY DATA SHEET

1. Chemical Product

Brand name & code : CM 2925
Company Identification : PT Crystal Anugerah Abadi
Green Sedayu Bizpark,
Jl.Daan Mogot KM18, Blok DM9/31
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2. Composition / information on ingredients :

Component	CAS	% by wt.	Exposure guidelines
Sodium Nitrite	7623-00-0	40-50	NE

3. Hazards Identification:

Environmental hazards:

This preparation is classified as dangerous. Toxic to aquatic organisms.

Physical / chemical Hazards:

- If product is allowed to dry, the sodium nitrite is an oxidizing agent
- Can initiate the combustion of other material.
- Contact with acids liberates Toxic gases

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 :-Oxides of Nitrogen, oxides of Carbon, (under fire conditions). If product is allowed to dry, the sodium nitrite is an oxidising agent and can initiate the combustion of other materials.

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 acids & 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		Odour	: odourless
Form	: Liquid at 25°C	Boiling point	: >100°C
Density	: 1.01-1.18	pH	: alkaline
Solubility	: completely soluble in water	Flash Point Deg C	: Not Applicable.

10. **Stability and reactivity :**

- Stability / incompatibility – Stable at ambient temperature
- Materials to avoid – Avoid contact with reactive chemicals, acids, organic materials, and reducing agents.
- Hazardous de-composition products – Oxides of Nitrogen, Oxides of Carbon etc.

10. **Toxicity Information :**

- Acute toxicity Data – The following results are for the active
- Acute lethality Values – Sodium Nitrite oral (rat) LD 50 – 85 mg/kg.

11. **Ecological information :**

- No data available on the product
- ADDITIONAL ECOLOGICAL DATA - Nitrite is toxic to fish.

12. **Disposal considerations :-**

Waste disposal – Dispose off according to local, state and federal requirement. This Product is not suitable for disposal by either landfill or via municipal sewer, drains nature stream or rivers

13. **Transport information :-**

Hazard Label: Corrosive liquid, Toxic, n.o.s.
ADR No: 86, UN number: 2922
Class: 8, Packing group: III

14. **Regulatory information :-**

Classification And Labeling According To ECC Directives
Hazard Symbol : TOXIC
Hazard Symbol : Dangerous for the environment
Governing Directive: Dangerous Substances Directive 67/548/Eec, As Modified.
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 – Corrosion inhibitor for the closed cooling system