

CM – 209

Version 1

Print date: 2/9/2014

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING**Product information**

Product name : CM – 209

COMPANY : PT. Crystal Anugerah Abadi
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2. COMPOSITION / INFORMATION ON INGREDIENTS**Chemical characterisation:**

Description: : The components of this product comprise proprietary information

3. HAZARDS IDENTIFICATION

Potential Acute Health Effects : Very hazardous in case of skin contact (irritant, permeator) of eye contact (irritant), of ingestion , of inhalation. Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering.

Potential chronic health effects : Repeated or prolonged exposure to the substance can produce taret organs damage.

4. FIRST AID MEASURES

Eye contact : Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Seek medical advise if necessary.

Skin contact : Immediately wash with water and soap. Remove contaminated clothing and wash off affected area with plenty of water.

Ingestion : Do not induce vomiting. Give plenty of water or milk. Call doctor

Inhalation : Remove to fresh air, in serious cases seek medical attention.

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5. FIRE-FIGHTING MEASURES

- Flammability of the product : Flammable
- Auto ignition temperature : 310 °C
- Flash point : Closed cup : 35°C and Open cup : 38°C
- Flammable limits : Lower : 1.8% and Upper : 11.2%
- Products of Combustion : Carbon oxides, Nitrogen oxides

6. ACCIDENTAL RELEASE MEASURES

- Small spill : Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
- Large spill : Flammable liquid, corrosive liquid.
Keep away from heat. Keep away from source of ignition. Stop leak if without risk. Absorb with Dry earth, sand or other non-combustible material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. HANDLING AND STORAGE

- Precautions : Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe as/fumes/vapour/spray. Never add water to this product, in case of insufficient ventilation, wear suitable respiratory equipment if ingested. Seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
- Storage conditions : Flammable materials should be stored in a separate safety storage cabinet or room. Keep tightly closed, keep in a cool, well ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with low flash point.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protection equipment**

- Respiratory protection : Cartridge respiratory.
- Hand protection : Protective gloves.
- Eye protection : Protective goggles.

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Body protection : Protective working clothes.

General safety and hygiene measures : Keep away from foodstuff, avoid contact with eyes and skin.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : Liquid

Odour : Slightly amine

Other data

Vapor pressure : 7 mm of Hg

Density (25 °C) : 0.80 – 1.00 g/ml

pH : > 9.5

Volatility : >100 %

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.

Hazardous decomposition products : None

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD 50 : 525 mg/kg (mouse)

Chronic effects on human : Substance is toxic to lungs, mucous membranes

Other toxic effects on human : Very hazardous in case of skin contact, of ingestion , of inhalation.

12. ECOLOGICAL INFORMATION

Acute fish toxicity : Not determined

Behaviour in sewage : Possibly hazardous short/long term degradation products are to be

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processing plants expected.

13. DISPOSAL CONSIDERATIONS

Product : The product should be dispose of in accordance with local legal regulation. Do not allow product to reach sewerage system.

Uncleaned packaging : Should be disposed of in the same manner as the contents.

14. TRANSPORT INFORMATION

DOT Classification : Class 3 – Flammable liquid

Further information : Morpholine.

15. REGULATORY INFORMATION

EEC : R 10 – Flammable
R21/22 – Harmful in contact with skin and if swallowed
R38 – Irritating to skin
R41- Risk of serious damage to eyes

16. OTHER INFORMATION

Department responsible for data sheet: SUQ/Product safety.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.