

Material safety Data sheet

For Sodium Dichloroisocyanurate Dihydrate

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product details: White powder or granular with chlorine odor. It is chlorating agent and can be dissolved in water easily. It is aqueous solution assumes weak acidity and the active chlorine in its dry products lose little when it is stored for a long time at the atmospheric temperature.

Trade name: Sodium Dichloroisocyanurate Dihydrate

Manufacture/Supplier: Juancheng Ouya Chemical Co., Ltd

Informing department: Fenghuang development zone, Juancheng, Shandong, China

Contact: Tel: 86-530-2360777 Fax: 86-530-2361789

2. COMPOSITION/DATA ON COMPONENTS:

[C₃N₃O₃ClNa 2H₂O/td] Chemical Characterization

HS CODE: 29336929.90

A white crystal powder or granular with stimulant smell of hypochloric acid, with specific Gravity of 0.98 and solubility in water of 25g/100g(25°C); resolving when contact with acid or alkali. It is easily affected by damp. PH: 5.8-6.8. Available chlorine content% (m/m) ≥ 55 ≥ 56 ≥ 57

3. HAZARDS IDENTIFICATION

Determination of Explosives: The substance presents no explosive hazard.

Determination of flammability: The screening test of flammability is conducted in accordance with the Regulation, the result indicates that the substance does not belong to flammable solid.

Determination of Oxidizing Substances: The substance does not belong to oxidizing substances.

Determination of Toxic & Infectious Substances: oral, rat: LD₅₀ 1420mg/kg. The substance does not belong to toxic substances.

Determination of Radioactive Materials: The substance does not belong to Radioactive Material.

Determination of Corrosives: The substance does not belong to Corrosives.

Determination of Other Dangerous Properties: The substance is slightly irritant to eyes and skin, avoid eyes and skin contact.

4. FIRST AID MEASURES

Eye: Wash eyes with plenty of water at least 15 minutes. Get medical aid immediately

Skin: Remove contaminated clothing and shoes, wash skin with plenty of soap and water.

Get medical aid immediately.

Ingestion: If victim is conscious, give 2-4 cupfuls of milk or water. Do not induce vomiting, seek medical aid immediately.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical aid immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: use plenty of water

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions: Once touch, use water to wash.

Measures for environmental protection: Keep dry and cool, out of the sunlight and rain.

Spills/Leaks: Vacuum or sweep up material and put into a suitable disposal container.

Avoid using metal tools or containers.

7. HANDLING AND STORAGE

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Avoid contact with clothing and other combustible materials.

Storage: Keep in dry and cool place. Keep out of the sunlight and rain, do not contact with acidic and alkaline materials.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment: wear chemical goggles, gloves or respirators and other appropriate clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Technical name: Sodium dichloroisocyanurate dihydrate

Form: Solid round granular

Color: White

Odor: with stimulant smell Molecular Weight: 255.98

Particle size: 8-30, 20-40 mesh

PH data (1% water solvent): 5.0-7.0

Water content: 11-14 (Dihydrate)

Change in condition: Resolving when contact with acid or alkali

Flash point: N/A

Danger of explosion: No

Density: ≥ 0.90

Solubility: $\geq 25\text{g} / 100\text{g}(25^\circ\text{C})$ of solubility in water

10. STABILITY AND REACTIVITY:

Chemical stability: Stable under normal temperatures and pressures.

Conditions to avoid: Incompatible materials, acid, alkali, moisture or water.

11. TOXICOLOGICAL INFORMATION:

Acute toxicity: Yes

Primary irritant effect: Naupathia and short of breath, cough.

Oral, rat: LD50 1420 mg/kg. The substance does not belong to toxic substances.

12. ECOLOGICAL INFORMATION: N/A

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner complying with federal, state and local regulations.

Unclean packaging: Forbidden.

14. TRANSPORT INFORMATION

HAZARDS IDENTIFICATION: HAZARDOUS GOODS CLASS 9

SUGGESTION ACCORDING TO IMO IMDG CODE:

RISK PHRASE: R8; R22; R31; R30/37; R50/53

SAFETY PHRASE: S0; S26; S41; S60; S61

THE PROPER SHIPPING NAME: SODIUM DICHLOROISOCYANURATE DIHYDRATE

SHIPPED AS HAZARDOUS CLASS 9 GOODS ACC

UN 3077

PACKAGING REQUIREMENTS:

The goods are packaged according to the packaging requirements of ordinary goods.

15. REGULATORY INFORMATION

UN "RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS"

16. ADDITIONAL INFORMATION:

FILL OUT A FORM TIME: MAY 18 2009

FILL OUT A FORM BRANCH: JUANCHENG OUYA CHEMICAL CO., LTD

AUDITING DATA UNITS: JUANCHENG OUYA CHEMICAL CO., LTD

Address: Fenghuang development zone, Juancheng, Shandong, China