
MATERIAL SAFETY DATA SHEET

SODIUM DICHLOROISOCYANURATE

COMMODITY: SODIUM DICHLOROISOCYANURATE

1. PHYSICAL DESCRIPTION

Product name: SODIUM DICHLOROISOCYANURATE

Synonyms: SODIUM DICHLOROISOCYANURATE

Formular: $C_3O_3N_3Cl_2Na$

Melting point: 240 °C

Flash point: N/A

pH: 5.5-6.6

Solubility in water: 24g/l (25 Dr)

Flammability limits (as percentage volume in air)

Lower explosion limit: N/A

Upper explosion limit: N/A

2. DANGEROUS DESCRIPTION

UN No. 2465

CAS No. 2893-78-9

Dangerous goods class: 5.1

Hazchem Code: 2WE

Pack Group: II

EPG: 31

Poisons Schedule: 5

3. HAZARDOUS DESCRIPTION

Risk Phrases

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas.

R36/37 Irritating to eyes and respiratory system.

Safety Phrases

S8 Keep container dry.

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor.

S41 In case of fire and/or explosion, do not breathe fumes.

4. EXPORT INDICATION:

1). Shipping Name: Sodium Dichloroisocyanurate

2). Packing: 50kgs plastic/fibre drum, 1000kg big bag, 25kgs plastic /fibre drum

3). Marks: N/M

5. SAFE HANDLING INFORMATION

1). It is a strong oxidizer with chlorine odor and supports combustion. Meet water will release Hypochloric Acid. It can self-fire when meeting organic matter. Easily Oxidiated & Chloridated.

2). Drums may rupture if contents are exposed to heat, contamination or moisture.

3). Storage/Transport

Avoid contact with clothing and other combustible materials. Not store near combustible materials or in corrosive areas.

Store in a cool, dry area away from heat and direct sunlight.

6. SPILLS & DISPOSAL

1). Spills:

Clean-up personnel should wear full protective clothing including breath apparatus in dusty conditions. Prevent material from entering drains, water and sewers. Clean up spills immediately. Sweep up, then place in suitable containers for disposal.

2). Disposal:

Disposing in accordance with all local, state and other regulations at an approved waste disposal facility.

7. FIRE AND EXPLOSION HAZARD

1). Fire & Explosion:

May be violently or explosively reactive may cause combustible materials to burn/explode. May cause oxidisable materials to burn/explode. Evolves TOXIC gases on decomposition.

2). Extinguishing Media:

Firefighter should wear full protective clothes including self-contained breathing apparatus. Use water, dry chemical, chemical foam or alcohol-resistant foam type extinguishers. Use equipment/media appropriate to surrounding fire conditions.

8.HEALTH HAZARD INFORMATION

1).Swallowed

Extremely corrosive-causes severe burns and desquamation. Extremely irritative to the mouth, esophagus and stomach
oral LD50=735mg/kg Rat.

2).Eye

Extremely irritative, extremely corrosive-causes severe burn and desquamation

3).Skin

Extremely corrosive-causes severe burns and desquamation. Dermal LD50=200mg/kg Rabbit.

4). Inhaled

Extremely corrosive-causes severe burns and desquamation. Extremely irritative to respiratory tract(Includes mucous membranes, throat&lungs). Inhalation LC50=200mg/kg Rat.

9.FIRST AID

1).Swallowed

Contact a doctor or the poisons information center immediately, if conscious(Do not give anything by mouth to unconscious patient) induce drinking copious quantities of water or milk, do not induce vomiting , immediately transport to hospital or doctor.

2). Eye

Flush eye with plenty of water for at least 15 minutes, occasionally lift the upper and lower lids. Seek medical attention immediately.

3).Skin

Removing contaminated clothes and shoes. Wash affected areas thoroughly with soap and water immediately. If effects persist seek medical aid.

4).Inhaled

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

5).First aid facilities

Ensure an eye bath and safety shower are available and ready for use.

10.PRECAUTIONS FOR USE

1).Exposure standards

Exposure standard has not been established for this product by China Work Safety Bureau.

2).Engineering controls

Ensure adequate ventilation to maintain exposure levels below applicable workplace standards, including use of general or local exhaust ventilation, process enclosure or other engineering controls.

3).Personal protection

Wear chemical goggles, safety glasses if splashing is possible. Wear appropriate protective gloves and clothes to prevent skin exposure. Wear breathing protection appropriate to airborne concentrations. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.