ICN Biochemicals
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MSDS

Material Safety Data Sheet

General Properties

Product: N,N,N',N'-Tetramethyl-p-Phenylene Diamine Dihydrochloride

Synonym: N,N,N',N'-Tetramethyl-14-Benzenediamine Dihydrochloride

Catalog Number: 195517, 218979

Chemical Formula: C_{10}H_{16}N_{2}.2HCl

Physical Description: White powder

Melting Point: 234°C

Boiling Point: Not available

Specific Gravity: Not available

Vapor Pressure: Not available

Solubility in Water: Slightly soluble

TLV of the Substance: Not established

Storage: Room Temperature

Remarks

Toxic Solid, organic, n.o.s. (III)

scu-mus LDLo: \(20\)mg/kg

CAS # 637-0-4 RTECS # Not available

RTECS # Not available
UN # 2811 (III)

WHMIS D2A

**Dangerous Reactions**

**Flammability:** None

**Flash Point (method):** Not available

**Minimum Ignition Temperature:** Not established

**Risk of explosion?** No

**Decomposition of the substance when heated or burned:** YES,

Toxic Fumes of NO<sub>x</sub> and HCl

**Any Dangerous Reactions?** Yes, With Strong oxidizing agents and strong bases.

**Extinguishing Media:** CO<sub>2</sub>, dry chemical, or foam

**Toxicological Data**

**Route(s) of Entry:**

Inhalation: Yes Skin: Yes Ingestion:

Yes

**Health Hazards - Acute and Chronic:** Poisonous by subcutaneous route. A skin, eye and mucous membrane irritant.

**Signs and Symptoms of Exposure:** Irritation.

**Safe Handling and Safe Use of Materials**
Spill or Release of Material

[ ] Absorb the liquid in dry sand, diatomite, vermiculite or other drying agent then shovel into suitable containers for disposal.

[ ] Acid Spills - Depending upon the situation neutralize with soda ash then use one of the following methods; soak up in an absorbent then shovel into suitable container for disposal, or flush away with a liberal amount of water.

[ ] Alkaline Spills - Depending upon the situation neutralize with NaHSO₄ and then use one of the following methods; soak up in an absorbent then shovel into suitable container for disposal, or flush away with a liberal amount of water.

[X] Other procedures: Sweep into suitable container for disposal.

Waste Disposal Method:

Incinerate or landfill as complies with state and local laws.

Handling

Always wear gloves, mask, goggles or other protective clothing and use a hood. Follow proper laboratory procedures.

Personal Protection
Respiratory Protection: YES
Eye Protection: YES
Protective Gloves: YES
Is a local exhaust system required when the substance is used for its normal purpose? YES

**First Aid Procedures**

**Substance in Contact with Skin**

[X] Remove contaminated clothing and rinse with copious amounts of soap and water for a considerable amount of time

[ ] Produces severe caustic burns or general disorders, call a physician

[X] Call a physician

[ ] Not Hazardous

**Substance has been Swallowed**

[X] Rinse mouth several times with water, do not swallow

[ ] Drink 1 or 2 glasses of water within 15 minutes

[ ] Induce vomiting

[ ] In the case of imminent unconsciousness clear the respiratory tract and lay patient on side in a stable position

[X] Always Call a physician or take patient to hospital

[ ] Not Hazardous

**Substance in Contact with Eyes**

[X] Rinse liberally with water for a considerable amount of time

[X] Always call a physician or take to a hospital
[ ] Not Hazardous

*Substance has been Inhaled*

[X] Take patient into the fresh air and allow to rest

[ ] In the case of imminent unconsciousness clear the respiratory tract and lay patient on side in a stable position

[X] Always Call a physician or take patient to hospital

[ ] Not Hazardous

*Additional Instructions:*

Observe proper laboratory procedures when handling material.

Date of Preparation: 11-1-95

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