

CAS No: 1689-83-4
RTECS No: DI4025000
UN No: 2588
EC No: 608-007-00-6

3,5-Diiodo-4-hydroxybenzotrile
4-Hydroxy-3,5-diiodobenzotrile
4-Cyano-2,6-diiodophenol
C₇H₃I₂NO
Molecular mass: 370.9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible. Liquid formulations containing organic solvents may be flammable. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Powder, water spray, foam, carbon dioxide.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	
EXPOSURE		STRICT HYGIENE! AVOID EXPOSURE OF (PREGNANT) WOMEN! AVOID EXPOSURE OF ADOLESCENTS AND CHILDREN!	IN ALL CASES CONSULT A DOCTOR!
Inhalation	Dizziness. Headache. Sweating. Vomiting. Weakness. Fever.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	MAY BE ABSORBED! Pain. Redness.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.
Eyes	Pain. Redness.	Safety goggles, or face shield.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	(See Inhalation).	Do not eat, drink, or smoke during work. Wash hands before eating.	Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

SPILLAGE DISPOSAL

Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Personal protection: P3 filter respirator for toxic particles. Do NOT let this chemical enter the environment.

PACKAGING & LABELLING

T Symbol
N Symbol
R: 21-23/25-36-48/22-63-50/53
S: (1/2-)36/37-45-60-61-63
UN Hazard Class: 6.1
UN Pack Group: III

Do not transport with food and feedstuffs. Marine pollutant.

EMERGENCY RESPONSE

Transport Emergency Card: TEC (R)-61GT7-III
NFPA Code: H2; F1; R0

SAFE STORAGE

Provision to contain effluent from fire extinguishing. Separated from strong oxidants, food and feedstuffs.

IMPORTANT DATA**Physical State; Appearance**

ODOURLESS COLOURLESS CRYSTALS

Physical dangers

Dust explosion possible if in powder or granular form, mixed with air.

Chemical dangers

The substance decomposes on burning producing toxic fumes, including nitrogen oxides, iodine and cyanide compounds.

Occupational exposure limits

TLV not established.

Routes of exposure

The substance can be absorbed into the body by inhalation of its aerosol, through the skin and by ingestion.

Inhalation risk

No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20/C.

Effects of short-term exposure

The substance is mildly irritating to the eyes and the skin.

Effects of long-term or repeated exposure

Animal tests show that this substance possibly causes malformations in human babies.

PHYSICAL PROPERTIESMelting point: 212-213/C
Solubility in water: noneVapour pressure, Pa at 20/C: <0.001
Octanol/water partition coefficient as log Pow: 3.51**ENVIRONMENTAL DATA**

The substance is toxic to aquatic organisms. Avoid release to the environment in circumstances different to normal use.

NOTES

Carrier solvents used in commercial formulations may change physical and toxicological properties.

Actril, Bentrol, Certol, Iotril, Toxynil are trade names.

Card has been partly updated in October 2004. See sections Occupational Exposure Limits, EU classification, Emergency Response.

ADDITIONAL INFORMATION**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible