

Oral—rat LD50:> 3,160 mg/kg (EPA pesticide ,1991),
 > 3,300 mg/kg, > 2,000 mg/kg , > 5,000 mg/kg,
 > 5,110 mg/kg (ECETOC JACC,2006)(SIDS,2006)
 Dermal—rabbit LD50 :> 2,000 mg/kg, > 5,000 mg/kg
 (ECETOC JACC ,2006) (SIDS ,2006)
 Inhalation(dust,mist)—ratLC50(4-h exposure):
 >0.691 mg/L , > 2.22 mg/L,
 0.09~0.84 mg/L, 1.65 mg/L (ECETOC JACC,2006)
 >2.08 mg/L (ECETOC JACC,2006)(SIDS,2006)

Mercury(II) dichloride:

Acute toxicity:

Oral—rat LD50:25.9~77.7 mg/kg
 (Mercury(II) dichloride equivalent : 35.1~105 mg/kg)(ATSDR, 1999)
 rat LD50 : 37mg/kg (JECFA1155,2011)
 Dermal—rat LD50 : 41mg/kg (RTECS, 2011)
 Inhalation(dust,mist)—no data

Sulfuric acid:

Acute toxicity:

Oral—rat LD50:2140mg/kg(SIDS,2001)
 Dermal—no data
 Inhalation(dust,mist)—ratLC50(4-h exposure):0.375mg/L(SIDS,2001)

Chromium(VI) oxide:

Acute toxicity:

Oral—rat LD50:52-113mg/kg (EU-RAR,2005)
 Dermal—rabbit LD50:30mg Cr (VI) /kg (CrO3 equivalent:57.7 mg/kg)
 (CICAD 78 ,2013/ATSDR, 2012)
 Inhalation(dust,mist)—ratLC50(4-h exposure):0.217mg/L (EU-RAR,2005)

Ecological information

No data

Disposal considerations

This detector tube contains 0.39mg of inorganic mercury. Pretreatment tube contains 3.47mg of hexavalent chromium. Should be disposed properly in accordance with local regulations.

Transport information

Avoid breakage of the detector tube due to dropping, pressurization, bending, etc.
 UN number: Not applicable
 UN Classification: Not applicable
 IATA: Not applicable
 Poisonous and Deleterious Substances Control Law: Not applicable
 Fire Defense Law: Not applicable
 Marine Regulation Information: Not applicable

Japanese regulatory information

Industrial Safety and Health Law :Hazardous substance No.142, 165-2, 613(Article 57-2)

PRTR : 1-88 Hexavalent chromium

Other information

References :

Chemical Risk Information Platform (CHRIP): NITE
 Safety website in the workplace of the Ministry of Health, Labour and Welfare

This data sheet is provided to businesses that handle hazardous chemical products as reference information for ensuring safe handling. With reference to this, business operators are requested to understand that they need to take appropriate measures in accordance with the actual conditions of individual handling, etc. at their own responsibility, and then use them. This data sheet is prepared based on JIS Z 7253(2019).The contents of this report have been prepared based on the latest information as of the date of revision, but if new information is obtained, it may be added or corrected.

This data sheet is not a guarantee of safety.
