

Oral—rat LD50:> 5,000 mg/kg (IUCLID,2000)
Dermal—no data
Inhalation(vapor)—no data
Inhalation(dust,mist)—no data

Porous silica gel:

Acute toxicity:

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)

Oleum:

Acute toxicity:

Oral—no data

Dermal—no data

Inhalation(dust,mist)—ratInhalationLC50: 347ppm/1H

(= 86.7ppm/4H = 0.63 mg/L/4H)

(assuming mist)(RTECS,1995)

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 0.91mg of hexavalent chromium. Pretreatment tube contains 11.61mg 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, 189(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.
