

Aluminium oxide:

Acute toxicity:

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)

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

Ecological information

No data

Disposal considerations

Detector tube for TBM contains 0.01mg of inorganic mercury. Detector tube for DMS does not contain any hazardous components. 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.165-2, 189(Article 57-2)

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.
