

GHS Classification

ID236

tellurium

CAS 13494-80-9

Date Classified: Aug. 18, 2006 (Environmental Hazards: Mar. 31, 2006)

Physical Hazards

Reference Manual: GHS Classification Manual (Feb. 10, 2006)

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Explosives	Not applicable	-	-	-	There are no chemical groups associated with explosive properties present in the molecules.
2 Flammable gases	Not applicable	-	-	-	Solid (GHS definition)
3 Flammable aerosols	Not applicable	-	-	-	Not aerosol products
4 Oxidizing gases	Not applicable	-	-	-	Solid (GHS definition)
5 Gases under pressure	Not applicable	-	-	-	Solid (GHS definition)
6 Flammable liquids	Not applicable	-	-	-	Solid (GHS definition)
7 Flammable solids	Classification not possible	-	-	-	No data available by regulated examination methods, though "Flammable).
8 Self-reactive substances and mixtures	Not applicable	-	-	-	There are no chemical groups associated with explosive or self-reactive properties present in the molecule.
9 Pyrophoric liquids	Not applicable	-	-	-	Solid (GHS definition)
10 Pyrophoric solids	Not classified	-	-	-	Flash point: 340degC (ICSC (J), 2000)
11 Self-heating substances and mixtures	Classification not possible	-	-	-	Although there is information of flammability, no data based on a set test method.
12 Substances and mixtures, which in contact with water, emit flammable gases	Classification not possible	-	-	-	No data available
13 Oxidizing liquids	Not applicable	-	-	-	Solid (GHS definition)
14 Oxidizing solids	Not applicable	-	-	-	Containing no oxygen , chlorine and fluorine.
15 Organic peroxides	Not applicable	-	-	-	Containing no -O-O- structure
16 Corrosive to metals	Classification not possible	-	-	-	Liquid at a test temperature, 55degC. Test methods applicable to solid substances are not available.

Health Hazards

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Acute toxicity (oral)	Category 3	Skull and crossbones	Danger	Toxic if swallowed	Category 3 based on SPECIES: Rat; ENDPOINT: LD50; VALUE: :83mg/kg; REFERENCE SOURCE: RTECS (2005), HSDB (2005)
1 Acute toxicity (dermal)	Classification not possible	-	-	-	No data available
1 Acute toxicity (inhalation: gas)	Not applicable	-	-	-	Solid (GHS definition)
1 Acute toxicity (inhalation: vapour)	Classification not possible	-	-	-	No data available
1 Acute toxicity (inhalation: dust, mist)	Classification not possible	-	-	-	The data is insufficient since there is only a description that rat LC50 (4 hours) value: >2.42mg/L (RTECS (2005)). Therefore, it cannot be classified.
2 Skin corrosion / irritation	Category 2	Exclamation mark	Warning	Causes skin irritation	It was classified as Category 2 from the descriptions that the skin is stimulated (HSFS (1999) and SITTIG (4th, 2002)).
3 Serious eye damage / eye irritation	Category 2A-2B	Exclamation mark	Warning	Causes serious eye irritation	It was set as Category 2A-2B from description that the eye is stimulated (HSFS (1999), SITTIG (4th, 2002)).
4 Respiratory/skin sensitization	Classification not possible; Skin sensitization: Classification not possible	(Respiratory sensitization)-; (Skin sensitization)-	(Respiratory sensitization)-; (Skin sensitization)-	(Respiratory sensitization)-; (Skin sensitization)-	No data available
5 Germ cell mutagenicity	Classification not possible	-	-	-	No data available
6 Carcinogenicity	Classification not possible	-	-	-	No data available
7 Toxic to reproduction	Category 2	Health hazard	Warning	Suspected of damaging fertility or the unborn child	Since there is malformation (hydrocephalia) of neonatal in the dose causing general toxicity to parent animals in feeding oral administration test from 6 to 15 days in pregnancy rat (HSDB (2005)), it is classified into the Category 2. In addition, there is a description that effect on child's nervous system (degeneration of the Schwann cell and myelin of the sciatic nerve and hypomyelination of optic nerve) are observed via breastmilk exposure in rat examination (PATTY (4th, 1994)).

8	Specific target organs/systemic toxicity following single exposure	Category 2 (periphery nervous system); Category 3 (respiratory tract irritation)	Health hazard	Warning	may cause damage to organs (periphery nervous system); May cause respiratory irritation or may cause drowsiness and dizziness (respiratory tract irritation)	It was classified into Category 2 (peripheral nerves). Due to the description that the effects on the peripheral nerves was observed by exposure with the range of guidance value of Category 2 in the mixed feed oral administration studies using the juvenile rat in PATTY (4th, 1994). Moreover, it was classified into Category 3 (respiratory tracts stimulativeness) due to the description that it irritates the respiratory tracts in ICSC (J) (2000), HSDB (2005), HSFS (1999).
9	Specific target organs/systemic toxicity following repeated exposure	Classification not possible	-	-	-	In occupational exposure cases for 22 months in the steelworks in ACGIH (7th, 2001) and PATTY (4th, 1994), since there is only a transient slight condition which does not bequeath a disorder, such as the garlic smell of expiration, a metal taste, dry mouths, perspiration, sleepiness, nausea, etc., it was considered that it cannot be classified.
10	Aspiration hazard	Classification not possible	-	-	-	No data available

Environmental Hazards

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
11 Hazardous to the aquatic environment (acute)	Classification not possible	-	-	-	No data available
11 Hazardous to the aquatic environment (chronic)	Classification not possible	-	-	-	No data available.