GHS Classification

ID1119

antimony trifluoride

Date Classified: Mar. 15, 2007 (Environmental Hazards: Mar. 31, 2006)

CAS 7783-56-4 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	1	-	-	There are no chemical groups associated with explosive properties present in the molecules.
2 Flammable gases	Not applicable	ı	-	-	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	ı	-	-	Solid (GHS definition)
7 Flammable solids	Not classified	-	-	-	Non-combustible (HSDB, 2003)
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	ı	-	_	Non-combustible (HSDB, 2003)
11 Self-heating substances and mixtures	Not classified	-	-	_	Not combustible. (HSDB (2003))
12 Substances and mixtures, which in contact with water, emit flammable gases	Not classified	-	-	-	Stable to water (the water solubility is obtained)
13 Oxidizing liquids	Not applicable	ı	-	-	Solid (GHS definition)
14 Oxidizing solids	Classification not possible	-	-	-	No data available
15 Organic peroxides	Not applicable	-	-	-	Inorganic compound
16 Corrosive to metals	Classification not possible	-	-	_	Test methods applicable to solid substances are not available.

Health Hazards

Haz	ard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1	Acute toxicity (oral)	Category 4	Exclamation mark	Warning	Harmful if swallowed	SPECIES: Mouse ENDPOINT: LD50 VALUE: 804 mg/kg REFERENCE SOURCE: RTECS(2004)
1		Classification not possible	-	ı	-	No data available
1	Acute toxicity (inhalation: gas)	Not applicable	-	-	-	Solid (GHS definition)
1		Classification not possible	-	-	-	No data available
1		Classification not possible	-	-	-	No data available
2	Skin corrosion / irritation	Category 2	Exclamation mark	Warning	Causes skin irritation	From the description of "skin is stimulated violently and a burn is caused" (HSFS, 2004;SITTIG, 4th, 2002) and the description of "it is corrosive to the skin" (HSDB, 2003), it was thought that there was severe skin irritations and was set as category 2.
3		Category 2A	Exclamation mark	Warning	irritation	Due to the descriptions that "it irritates to the eye severely and causes damages (HSFS, 2004; SITTIG, 4th, 2002), and that it is "corrosive to the eye" (HSDB, 2003), it is supposed to have severe eye irritation. Therefore, it was classified into Category 2A.
4	Respiratory/skin seristization	Respiratory sensitization: Classification not possible; Skin sensitization: Classification not	(Respiratory sensitization)-; (Skin sensitization)-	(Respiratory sensitization)-; (Skin sensitization)-	(Respiratory sensitization)-; (Skin sensitization)-	No data available
5		Classification not possible	-	-	-	Without data. (It has classified with 3A as inorganics antimony compounds according to MAK/BAT (2005). Germ-cell mutagenicity is suspected.)

6	Carcinogenicity				Suspected of	
		Category 2	Health hazard	Warning	causing cancer (state route of	It is classified into 2B as antimony compounds in industrial hygene academic society advice (2004). It was classified into Category 2.
7	Toxic to reproduction	Classification not possible	-	-		No data available
8	Specific target organs/systemic toxicity following single exposure	Category 3 (respiratory tract irritation)	Exclamation mark	Warning	drowsiness and	ACGIH-TLV (2004), a Priority 1document, reports that in the forms of fluorides and antimony compounds the substance has airway irritant properties. The substance was classified as Category 3 (airway irritant) because there are reports of airway irritant properties in SITTIG (4th, 2002) and HSFS (2004) (Priority 2 documents) as well.
9	Specific target organs/systemic toxicity following repeated exposure	Category 1 (bone, lung, cardiovascular system)	Health hazard	Danger	cardiovascular system) through	It is supposed that it has the influence on a bone by as fluoride and the effects on lungs, the cardiovascular system by as antimony compound (ACGIH-TLV (2004) of Priority 1 document). Since there was the same description also in SITTIG (4th, 2002), HSFS (2004), and HSDB (2003) of Priority 2 document, it was classified into Category 1 (a bone, lungs, cardiovascular system).
10	Aspiration hazard	Classification not possible	-	-	-	No data available

Environmental Hazards

Ha	zard class	Classification	symbol	signal word	hazard statement	Rational for the classification	
1	1 Hazardous to the aquatic environment (acute)	Classification not possible	-	-	-	No data available	
1		Classification not possible	-	-	-	No data available.	