

GHS Classification

ID1183

CAS 3926-62-3

Physical Hazards

Sodium chloroacetate

Date Classified: Jun. 20, 2006 (Environmental Hazards: Mar. 31, 2006)

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	Not classified	-	-	-	Although it is combustible, UNRTDG is classified into 6.1 and III according to the UNRTDG No. (2659). Since 4.1 was not assigned, it was classified as out of Category.
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	-	-	-	Not classified because of UNRTDG No. 2659, Class: 6.1, III (not Class: 4.2)
11 Self-heating substances and mixtures	Not classified	-	-	-	Not classified because of UNRTDG No. 2659 Class: 6.1, PG III (not Class: 4.2)
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	-	-	-	Solid (GHS definition)
14 Oxidizing solids	Not classified	-	-	-	UNRTDG No. 2659, Class: 6.1; PG III (Not 5.1).
15 Organic peroxides	Not applicable	-	-	-	Organic compounds containing no -O-O- structure
16 Corrosive to metals	Classification not possible	-	-	-	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 4	Exclamation mark	Warning	Harmful if swallowed	The substance was classified as Category 4 based on the LD50=386mg/kg which was calculated from the rat LD50s: 335mg/kg, 474mg/kg, 580mg/kg and 487mg/kg (SIDS, 1996).
1 Acute toxicity (dermal)	Category 5	-	Warning	May be harmful in contact with skin	It was set as Category 5 based on rat LD50 value >2000mg/kg (SIDS, 1996).
1 Acute toxicity (inhalation: gas)	Not applicable	-	-	-	Solid (GHS definition)
1 Acute toxicity (inhalation: vapour)	Not applicable	-	-	-	Since there was description that there is almost no vapor pressures at 25degC (ICSC (J) (2003)), it was out of classification.
1 Acute toxicity (inhalation: dust, mist)	Classification not possible	-	-	-	No data available
2 Skin corrosion / irritation	Not classified	-	-	-	There is a report that skin irritation was not indicated in the rabbit (SIDS (1996)), and it carried out the outside of Category. In addition, the data which is supported was not found although it was considered as those with skin irritation (Xi;R38) in EU-Annex I (Access on June 2005).
3 Serious eye damage / eye irritation	Category 2B	-	Warning	Causes eye irritation	Although SIDS (1996) had one positive report and one negative report in the eye irritation tests in rabbit, in ICSC (J) (2003) having description which stimulates the eye (redness, pain, haze eyes). So it is considered that it irritates to the eye mildly, it was classified into Category 2B.
4 Respiratory/skin sensitization	Respiratory 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	In the teratogenicity study of the rat of SIDS (1996) of Priority 1 document, a fetal heart abnormality was increasing intentionally by the dose as which general toxicity (inhibition of weight gains) is regarded to dam. So it was set as Category 2.

8	Specific target organs/systemic toxicity following single exposure	Category 2 (central nervous system, heart, kidneys); Category 3 (respiratory tract irritation)	Health hazard; Exclamation mark	Warning	May cause damage to organs (central nervous system, heart, kidneys); May cause respiratory irritation or may cause drowsiness and dizziness (respiratory tract irritation)	It was considered as Category 2, (a central nervous system, heart, kidney), Category 3 (respiratory irritant) based on the description that it effects on central nervous system, heart and the kidney in human and stimulates respiratory tract in ICSC (J) (2003) of Priority 2 document.
9	Specific target organs/systemic toxicity following repeated exposure	Category 2 (liver, kidneys)	Health hazard	Warning	May cause damage to organs (liver, kidneys) through prolonged or repeated exposure	Because of the effects that were confirmed on livers and kidneys in the repeats oral administration tests with rats (SIDS (1996) and RTECS (1997)), and of their toxicologic amount of findings respectively, it was classified into Category 2 (liver, kidney).
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)	Not classified	-	-	-	It carried out the outside of Category from 24-hour LC50=800mg/L of Crustacea (Daphnia magna), and others (SIDS, 1996).
11 Hazardous to the aquatic environment (chronic)	Not classified	-	-	-	Since not water-insoluble (aqueous solubility =820000mg/L(SIDS, 1996)) and acute toxicity is low.