GHS Classification

ID1020 CAS 144-49-0 Physical Hazards

fluoroacetic acid

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

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

Haza	ard 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	-	-	ı	Solid (GHS definition)
5	Gases under pressure	Not applicable	-	-	1	Solid (GHS definition)
6	Flammable liquids	Not applicable	-	-	ı	Solid (GHS definition)
7	Flammable solids	Not classified	-	-	-	Non-combustible (ICSC (J) (1995))
	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	-	-	-	Non-combustible (ICSC (J), 1995)
11	Self-heating substances and mixtures	Not classified	_	-	İ	Not combustible (ICSC(J) (1995))
	Substances and mixtures, which in contact with water, emit flammable gases	Not applicable	-	-	-	The chemical structure of the substance does not contain metals or metaloids(B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At).
13	Oxidizing liquids	Not applicable	-	-	-	Solid (GHS definition)
	Oxidizing solids	Not applicable	-	-	-	Organic compounds containing fluorine and the fluorine is chemically bonded only to carbon (but not to other elements).
15	Organic peroxides	Not applicable	-	-	ı	Organic compounds containing no −0−0− structure
16	Corrosive to metals	Not classified	-	-		UNRTDG is classified into 6.1 and I according to the UNRTDG No. (2642). Since the information which indicates corrosion behavior was not found, either, it was set as the outside of Category.

Health Hazards

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Acute toxicity (oral)	Category 1	Skull and crossbones	Danger		Category 1 based on SPECIES: Rat; ENDPOINT: LD50; VALUE: 4.7mg/kg; REFERENCE SOURCE: SITTIG (4th, 2002), RTECS(1997)
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	-	ı	-	No data available
1 Acute toxicity (inhalation: dust, mist)	Classification not possible	-	ı	-	No data available
2 Skin corrosion / irritation	Category 1A-1C	Corrosion	Danger		It was set as Category 1A-1C from description that there was caustic to humans (ICSC (J), (1995), SITTIG (4th, 2002)). [view] It is more desirable to be set as 1A from a viewpoint of safety, when subdivision needs to be performed.
3 Serious eye damage / eye irritation	Category 1	Corrosion	Danger		Since there are descriptions that it has causticity to the human eyes (ICSC (J) (1995), SITTIG (4th, 2002)) and also it shows causticity to skin, it was classified into Category 1.
	sensitization: Classification not possible; Skin sensitization: Classification not	(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	Classification not possible	_	_	_	Classification not possible due to lack of data

		(cardiovascular system, central nervous system, kidneys, respiratory tract)		Warning	(cardiovascular system, central nervous system,	The substance was classified as Category 2 (cardio-vascular system, central nervous system, kidneys, airways). Based on the following reports in Priority 2 documents that the substance affects the cardio-vascular system, central nervous system and kidneys, causing dysfunctions such as cardiac and renal failure. And it has corrosive properties to airways in humans (ICSC (J) (1995). And it causes serious epilepsy-like convulsions and arrhythmia, sudden cardiac arrests, vomiting, excessive salivation, palsy and muscular convulsions (SITTIG(4th, 2002)).
9	Specific target organs/systemic toxicity following repeated exposure	Classification not possible	-	-	-	No data available
10	·	Classification not possible	_	-	-	No data available

Environmental Hazards

Н	azard 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=230000microg/L of Crustacea (Daphnia magna) (AQUIRE, 2003).		
	11 Hazardous to the aquatic environment (chronic)	Not classified	-	-	ı	Since not water-insoluble (water solubility=1.00*106mg/L(PHYSPROP Database, 2005)) and acute toxicity is low.		