

GHS Classification

ID244

CAS 3825-26-1

Physical Hazards

ammonium pentadecafluorooctanoate

Date Classified: Nov. 1, 2005 (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	Classification not possible	-	-	-	No data available
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	Classification not possible	-	-	-	No data available
11 Self-heating substances and mixtures	Classification not possible	-	-	-	No data available
12 Substances and mixtures, which in contact with water, emit flammable gases	Not applicable	-	-	-	The chemical structure of the substance does not contain metals or metalloids(B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At).
13 Oxidizing liquids	Not applicable	-	-	-	Solid (GHS definition)
14 Oxidizing solids	Not applicable	-	-	-	Organic compounds containing oxygen and fluorine (but not chlorine) and these elements are chemically bonded only to carbon and hydrogen (but not to other elements).
15 Organic peroxides	Not applicable	-	-	-	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	Category 4 based on SPECIES: Rat; ENDPOINT: LD50; VALUE: :540mg/kg; REFERENCE SOURCE: ACGIH 7th, 2001).
1 Acute toxicity (dermal)	Category 5	-	Warning	May be harmful in contact with skin	Based on rabbit LD50 value: 4300mg/kg and rat LD50 value: 7000mg/kg (ACGIH 7th, 2001), the lower value was adopted and it was set as Category 5.
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	-	-	-	There was description that the fatal doses by rat 4-hour inhalation exposure was 0.8mg/L or more (ACGIH (7th, 2001)). But there is no other data. Therefore, it cannot be classified since data is insufficient.
2 Skin corrosion / irritation	Not classified	-	-	-	Based on the description that irritation was not observed in rabbit skin irritation test (ACGIH (7th, 2001)), it was classified as out of Category.
3 Serious eye damage / eye irritation	Category 2A	Exclamation mark	Warning	Causes serious eye irritation	It was set as Category 2A from description that the moderate irritation was admitted in the test applied to the eye of the rabbit of ACGIH (7th, 2001) and it did not recover within seven days.
4 Respiratory/skin sensitization	respiratory sensitization: Classification not possible; Skin sensitization: Classification not possible	-	-	-	No data available
5 Germ cell mutagenicity	Classification not possible	-	-	-	Classification not possible due to lack of data

6	Carcinogenicity	Category 2	Health hazard	Warning	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	Category 2 based on "A3" (ACGIH, 7th, 2001)
7	Toxic to reproduction	Not classified	-	-	-	Since there is the description that there is no teratogenicity in inhalation exposure and in oral administration test to pregnancy rat (ACGIH (7th, 2001)), and there is no obvious reproductive toxicity in the dose causing general toxicity to parent animals in the oral administration using pregnancy rat and rabbit (HSDB (2005)), it was considered as on the outside of Category.
8	Specific target organs/systemic toxicity following single exposure	Classification not possible	-	-	-	No data available.
9	Specific target organs/systemic toxicity following repeated exposure	Category 1 (liver, endocrine system)	Health hazard	Danger	Causes damage to organs (liver, endocrine system) through prolonged or repeated exposure	It was classified in Category 1 (liver, endocrine systems) from description in ACGIH (7th, 2001) that effects on the liver and the endocrine system was seen in the amount of dose of guidance value range of Category 1 in the oral study for 13 weeks using the rat.
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.