

GHS Classification

ID1375

Fenaminosulf

CAS

Date Classified: Feb. 20, 2007 (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	Classification not possible	-	-	-	Classification not possible due to lack of data, though the substance contains nitrogen atoms adjacent to each other as chemical groups with explosive properties present. (No data was available with no CAS number for this substance. Refer to the sodium salt, para-Dimethylaminobenzenediazosodium sulfonate (ID No.1376, CAS No.140-56-7))
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	Classification not possible	-	-	-	Although the grouping relevant to explosive (adjoining nitrogen atom) is included, the grouping relevant to autoreactive is not included. There is no data and it cannot be classified.
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	Classification not possible	-	-	-	No data available
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)	Classification not possible	-	-	-	No data. [Note.] We could not obtain the health hazard information in the Priority 1 and 2, because this substance does not have a CAS No. When necessary, we used the findings about p-dimethylaminobenzenediazo sodium sulfonate which is the sodium salt of this substance. Refer to p-Dimethylaminobenzenediazo sodium sulfonate (ID 1376, CAS 140-56-7).
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	-	-	-	No data available
2 Skin corrosion / irritation	Classification not possible	-	-	-	No data available
3 Serious eye damage / eye irritation	Classification not possible	-	-	-	No data available
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	-	-	-	There is no this substance data. But there is no in vivo data with p-Dimethylaminobenzenediazo sulfonate (ID 1376, CAS 140-56-7). And in in vitro mutagenicity test, there is an Ames positive (RTECS, 2003; NTP DB, 2006), MLA positives (NTP DB, 2006), CHL cell chromosome aberration positives (HSDB, 2003; RTECS, 2003), and CHO cells chromosome aberration negatives (NTP DB, 2006). There is strong response of Ames but others are not strong, and the CHO chromosome aberration test of NTP is negative. Considering these points, it is judged as there is insufficient knowledge to be Category 2, and it is treated as it cannot be classified according to the guidelines. So it cannot be classified similarly about this substance.
6	Carcinogenicity	Not classified	-	-	-	There is no data of this product, but sulfuric acid para-dimethylaminophenyldiazonium sodium (ID 1376, Chemical Abstracts Service 140-56-7) was classified into Group 3 (substance which cannot be classified into human carcinogenicity) in IARC (Supple.7, 1987) and carried out the outside of Category. So this product was as well set to the
7	Toxic to reproduction	Classification not possible	-	-	-	Although there is no data on this substance, in sulfuric acid paradimethyl-aminophenyl-diazonium sodium (ID 1376, CAS: 140-56-7), fetal death and musculoskeletal effects in teratogenicity studies using female rats were reported (RTECS, 2003). However, it was judged to be unclassifiable due to insufficient data, so this substance was similarly judged to be unclassified.
8	Specific target organs/systemic toxicity following single exposure	Category 1 (kidneys)	Health hazard	Danger	Cause damage to organs (kidneys)	Although there is no data about this product, since in sulfuric acid paradimethyl aminophenyl diazonium sodium (ID 1376, CAS 140-56-7), it is supposed that in rat acute oral administration, renal tubular damages (HSDB, 2003) was observed at the dose of guidance levels of Category 1 and it was considered as Category 1 (renal). So it was similarly considered as Category 1 (renal) about the this product.
9	Specific target organs/systemic toxicity following repeated exposure	Category 2 (kidneys)	Health hazard	Warning	May cause damage to organs (kidneys) through prolonged or repeated exposure	Although there is no data of this product, since nephropathy was observed in feeding administration for 12 months in rat at 0.10% (= an equivalent for 1000 ppm and 50 mg/kg/day) by sulfuric para-dimethylaminophenyl diazonium sodium (ID 1376, CAS 140-56-7) (HSDB, 2003) and it was equivalent to the guidance value of Category 2, and thus it was classified into Category 2 (kidney), it was similarly classified into Category 2 (kidney) on this product.
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.