

GHS Classification

ID1135

pyrazophos

CAS 13457-18-6

Date Classified: Aug. 22, 2006 (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	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	Not classified	–	–	–	Non-pyrophoric when in contact with air at a room temperature and used as agricultural chemicals.
11 Self-heating substances and mixtures	Classification not possible	–	–	–	Test methods applicable to solid (melting point <= 140degC) substances are not available.
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	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	–	–	–	No data available

Health Hazards

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Acute toxicity (oral)	Category 3	Skull and crossbones	Danger	Toxic if swallowed	Of the two LD50 values in rats, LD50 = 218mg/kg (RTECS (1996)) and 151mg/kg (JMPR852 (1992)), we selected the value indicating the higher toxicity (LD50 = 151mg/kg) to classify the substance as Category 3.
1 Acute toxicity (dermal)	Classification not possible	–	–	–	Classification not possible due to lack of data
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	–	–	–	Classification not possible due to lack of data
2 Skin corrosion / irritation	Not classified	–	–	–	In Priority 1, since there was description that irritation is not indicated to skin of rabbits (JMPR852 (1992)), it carried out the outside of Category.
3 Serious eye damage / eye irritation	Category 2B	–	Warning	Causes eye irritation	Since mild irritation was observed in the rabbit eye (JMPR852 (1992)), it was classified into Category 2B. In addition, in Priority 1, although an exposure situation is not clear, the conjunctiva of both eyes and corneal erosion were observed in human accident cases (JMPR852 (1992)).
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	Not classified	–	–	–	Since the result of the small core examination which used the mouse was negative (JMPR852 (1992)), it carried out the outside of Category according to the technical indicator.
6 Carcinogenicity	Not classified	–	–	–	In the dose experiments to rat for two years, there is no data of carcinogenicity (mouse carcinogenicity test negatives) except the description that increase of vascular tumours of intestinal lymph nodes is indicated in the male rats in Priority 1 (JMPR852 (1992)), and JMPR concludes that this product has no risk for human carcinogenic. Therefore, it was out of the Category.

7	Toxic to reproduction	Not classified	–	–	–	In Priority 1, reproduction/developmental toxicity for parental animals is not acknowledged in rats and rabbits. On the other hand, although there was statement which indicates weight loss in the lactation period child of rat. Since the impact of other was not shown (above wholly JMPR825 (1992)), it carried out the outside of Category.
8	Specific target organs/systemic toxicity following single exposure	Category 1 (central nervous system)	Health hazard	Danger	Cause damage to organs (central nervous system)	Since in Priority 1, there are contracted pupil, a agitans, muscle contraction, a spasm fit, excitement, a bronchus spasm, and brachycardia as the effect of cholinergic by disaster exposures of this product to humans (JMPR852 (1992)), it was considered as Category 1 (central nervous systems).
9	Specific target organs/systemic toxicity following repeated exposure	Classification not possible	–	–	–	Classification not possible due to lack of data
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	–	–	–	Insufficient data available.
11 Hazardous to the aquatic environment (chronic)	Classification not possible	–	–	–	Classification not possible due to lack of data