

GHS Classification

ID1070

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CAS 95465-99-9

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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	–	–	–	Liquid (GHS definition)
3 Flammable aerosols	Not applicable	–	–	–	Not aerosol products
4 Oxidizing gases	Not applicable	–	–	–	Liquid (GHS definition)
5 Gases under pressure	Not applicable	–	–	–	Liquid (GHS definition)
6 Flammable liquids	Classification not possible	–	–	–	No data available
7 Flammable solids	Not applicable	–	–	–	Liquid (GHS definition)
8 Self-reactive substances and mixtures	Classification not possible	–	–	–	Classification not possible due to lack of data, though the substance contains P–O bonds as chemical groups with explosive or self-reactive properties present
9 Pyrophoric liquids	Classification not possible	–	–	–	No data available
10 Pyrophoric solids	Not applicable	–	–	–	Liquid (GHS definition)
11 Self-heating substances and mixtures	Classification not possible	–	–	–	Test methods applicable to liquid substances are not available
12 Substances and mixtures, which in contact with water, emit flammable gases	Not classified	–	–	–	In 25 degC, it is stable under neutral or weak acidity. (Agricultural Chemical Registration Data)
13 Oxidizing liquids	Classification not possible	–	–	–	No data available
14 Oxidizing solids	Not applicable	–	–	–	Liquid (GHS definition)
15 Organic peroxides	Not applicable	–	–	–	Organic compounds containing no –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 2	Skull and crossbones	Danger	Fatal if swallowed	It was categorized as category 2 based on the value of LD50=30mg/kg. This value was calculated from LD50 value in two oral toxicity examinations (Agricultural Chemical Registration Data).
1 Acute toxicity (dermal)	Category 1	Skull and crossbones	Danger	Fatal in contact with skin	It was set as Category 1 based on rat LD50 = 11mg/kg of the dermal toxicity tests (Agricultural Chemical Registration Data).
1 Acute toxicity (inhalation: gas)	Not applicable	–	–	–	Liquid (GHS definition)
1 Acute toxicity (inhalation: vapour)	Classification not possible	–	–	–	No data available
1 Acute toxicity (inhalation: dust, mist)	Category 1	Skull and crossbones	Danger	Fatal if inhaled	It was set as Category 1 based on rat LC50 (4 hours) = 0.026mg/L of the inhalation toxicity study (Agricultural Chemical Registration Data).
2 Skin corrosion / irritation	Not classified	–	–	–	In the primary skin irritation examination of the rabbit, based on the statement that irritation is not admitted (Agricultural Chemical Registration Data), it was carried out the outside of Category.
3 Serious eye damage / eye irritation	Not classified	–	–	–	There is the description that in the eye irritation examination using rabbit, corneal opacity and chemosis of conjunctiva were not observed. And the average score of iritis and conjunctival redness was 0.5, but it disappeared 48 hours after (Agricultural Chemical Registration Data). So it was out of Category.
4 Respiratory/skin sensitization	Respiratory sensitization: Classification not possible; Skin sensitization: Category 1	(Respiratory sensitization)–; (Skin sensitization)Exclamation mark	(Respiratory sensitization)–; (Skin sensitization)Warning	(Respiratory sensitization)–; (Skin sensitization)May cause allergic skin reaction	Respiratory sensitization: no data available Skin sensitization: by the examination of the Maximization method by the guinea pig, it was referred to as Category 1 based on the publication (Agricultural Chemical Registration Data) with those with skin sensitization.
5 Germ cell mutagenicity	Not classified	–	–	–	There is no data on human administration cost epidemiology, administration cost mutagenicity test, and germ cell in vivo mutagenicity test. And the negative result was obtained by the somatic cell in vivo mutagenicity test (in vivo chromosomal aberration test using rat myeloid cells) (Agricultural Chemical Registration Data). So it carried out the
6 Carcinogenicity	Not classified	–	–	–	In the test using mice and rats, based on the description of carcinogenicity was not observed in each case (Agricultural Chemical Registration Data), it was out of Category.

7	Toxic to reproduction	Not classified	–	–	–	It was considered as the outside of Category based on the description that the influence on the teratogenicity and reproduction resulting from administration of this product and all of reproduction toxicity are not observed in the two-generation reproductive examination using rat, and the teratogenicity study using rat and rabbit (Agricultural Chemical Registration Data).
8	Specific target organs/systemic toxicity following single exposure	Category 1 (systemic toxicity, nervous system)	Health hazard	Danger	Cause damage to organs (systemic toxicity, nervous system)	Symptoms, such as lacrimation, decrease in locomotor activity, salivation, tremors, loss of muscle strength, dyspnea, hypersensitivity, bloody tears, hematuria, fur loss and colored nasal discharge, were observed in an acute oral toxicity test in rats and mice, but all the animals recovered (Agricultural Chemical Registration Data). The substance was classified as Category 1 (systemic, nervous system) because these symptoms appeared at dosages (30–82mg/kg) within the guidance values for Category 1.
9	Specific target organs/systemic toxicity following repeated exposure	Category 1 (nervous system); Category 2 (systemic toxicity)	Health hazard	Danger	Causes damage to organs (nervous system) through prolonged or repeated exposure; May cause damage to organs (systemic toxicity) through prolonged or repeated exposure	In a rat, there is a description that decrease in cholinesterase was observed with the dose (0.327 mg/kg) within the range of guidance value in Category 1. Moreover, there is description of debility, decreased locomotor activity, hind limbs open legs and tremors with the dose (59.1 mg/kg) of guidance value within the range of Category 2 (Agricultural Chemical Registration Data). It was classified into Category 1 (nervous systems) and Category 2 (systemic) based on these.
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)	Category 1	Environment	Warning	Very toxic to aquatic life	It was classified into Category 1 from 48-hour LC50=0.0016mg/L of Crustacea (Daphnia magna) (Agricultural Chemical Registration Data, 1999).
11 Hazardous to the aquatic environment (chronic)	Category 1	Environment	Warning	Very toxic to aquatic life with long lasting effects	Classified into Category 1, since acute toxicity was Category 1, supposed not rapidly degrading (BIOWIN), though supposed less bioaccumulative (log Kow=3.9(PHYSPROP Database, 2005)).