GHS Classification

ID1304 2,4,5-Trichlorophenoxyacetic acid methoxybutyl ester

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	Not applicable	–	–	–	There are no chemical groups associated with explosive properties present in the molecules. (Not specified whether it is liquid or solid due to lack of data. Refer to the parent compound, (2,4,5-trichlorophenoxy)acetic acid (synonyms: 2,4,5-T, ID No.0605, CAS No.93-76-5))
2	Flammable gases	Not applicable	–	–	–	Liquid or Solid (GHS definition)
3	Flammable aerosols	Not applicable	–	–	–	Not aerosol products
4	Oxidizing gases	Not applicable	–	–	–	Liquid or Solid (GHS definition)
5	Gases under pressure	Not applicable	–	–	–	Liquid or Solid (GHS definition)
6	Flammable liquids	Classification not possible	–	–	–	No data available (Not specified whether it is liquid or solid)
7	Flammable solids	Classification not possible	–	–	–	No data. (Whether the property is liquid or Solid is unknown.)
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 classified	–	–	–	Uses are pesticide (herbicide), and even if it contacts the normal temperature air, it does not ignite spontaneously. (unknown property whether a liquid or a Solid)
10	Pyrophoric solids	Not classified	–	–	–	The use is for pesticides (herbicides), and even if it contacts the normal temperature air, it does not ignite spontaneously. (It is unknown whether its property is a liquid or a solid.)
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 metaloids(B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At).
13	Oxidizing liquids	Not applicable	–	–	–	Although it is an organic compounds containing oxygen and chlorine, these have not carried out a chemical bond to any elements other than carbon. (It is unknown if the property is liquid or a solid.)
14	Oxidizing solids	Not applicable	–	–	–	Although it is an organic compound containing oxygen and chlorine, they form no chemical bond with any elements other than carbon. (Unclear whether its nature is liquid or solid.)
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)	Classification not possible	–	–	–	No data. [Note] For the toxicity information, refer to the base compound of this substance, 2,4,5-trichlorophenoxyacetic acid (ID605, CAS: 93-76-5).
1	Acute toxicity (dermal)	Classification not possible	–	–	–	No data available
1	Acute toxicity (inhalation: gas)	Classification not possible	–	–	–	No data available
1	Acute toxicity (inhalation:	Not applicable	–	–	–	Liquid or Solid (GHS definition)
1	Acute toxicity (inhalation: dust, mist)	Classification not possible	–	–	–	No data available
2	Skin corrosion / irritation	Classification not possible	–	–	–	Data without. In addition, 2, 4, 5-trichlorophenoxyacetic acid which is a base compound of this substance (ID 605, Chemical Abstracts Service:93-76-5) is set as category 2.
3	Serious eye damage / eye irritation	Classification not possible	–	–	–	Without Data. In addition, with 2,4,5-trichlorophenoxyacetic acid (ID605, CAS: 93-76-5) which is a base compound of this product, it is set as Category 2A.

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	–	–	–	No data. In addition, 2,4,5–trichlorophenoxyacetic acid which is the base compound (ID 605, CAS: 93–76–5) is considered as the out of Category.
6	Carcinogenicity	Classification not possible	–	–	–	Data without. In addition, as for 2,4,5–trichlorophenoxyacetic acid (ID 605, Chemical Abstracts Service:93–76–5) which is a base compound of this substance, it is carried out the outside of category.
7	Toxic to reproduction	Classification not possible	–	–	–	No data. In addition, it is set as Category 1B in 2,4,5–trichlorophenoxyacetic acid (ID 605, CAS: 93–76–5), which is a base compound of this substance.
8	Specific target organs/systemic toxicity following single exposure	Classification not possible	–	–	–	No data. In addition, it is considered as Category 3 (respiratory irritant) in 2,4,5–trichlorophenoxyacetic acid which is base compound of this product (ID 605, Chemical Abstracts Service: 93–76–5).
9	Specific target organs/systemic toxicity following repeated exposure	Classification not possible	–	–	–	No data. In addition, it is classified into Category 1 (skin) and Category 2 (the kidney, immune system) of 2, 4, and 5–trichlorophenoxyacetic acid (ID 605, Chemical Abstracts Service:93–76–5) which is base compound of 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	–	–	–	Insufficient data available.
11	Hazardous to the aquatic environment (chronic)	Classification not possible	–	–	–	Classification not possible due to lack of data