

GHS Classification

ID1262

CAS 640-67-5

Physical Hazards

Manganese, [ethanedioato(2-)-kappaO1,kappaO2]-

Date Classified: Nov. 20, 2006 (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	Not classified	—	—	—	The melting point is high (150 degC in dihydrate), and the use is for a varnish drier, and even if it contacts the air of normal temperature, it does not ignite spontaneously.
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 classified	—	—	—	Stable to water (slightly soluble in water)
13 Oxidizing liquids	Not applicable	—	—	—	Solid (GHS definition)
14 Oxidizing solids	Classification not possible	—	—	—	No data available
15 Organic peroxides	Not applicable	—	—	—	Inorganic compound
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 available
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	—	—	—	Data without. In addition, also refer to oxalic acid (ID No.0595, CAS No.144-62-7).
3 Serious eye damage / eye irritation	Classification not possible	—	—	—	Without Data. In addition, refer to oxalic acid (ID No.0595, CAS No.144-62-7).
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 available
6 Carcinogenicity	Classification not possible	—	—	—	No data available
7 Toxic to reproduction	Classification not possible	—	—	—	No data available

8	Specific target organs/systemic toxicity following single exposure	Classification not possible	–	–	–	No data. In addition, also refer to oxalic acid (ID No.0595, CAS No.144–62–7).
9	Specific target organs/systemic toxicity following repeated exposure	Category 1 (central nervous system, lung)	Health hazard	Danger	Causes damage to organs (central nervous system, lung) through prolonged or repeated exposure	Although there is no this product data, since there is a description that the manganese compound has influence to lungs in the central nervous system (CICAD 12(1999) in CICAD 12 (1999) and ACGIH-TLV (2006) of Priority 1 document), it was classified into Category 1 (a central nervous systems, lungs). In addition, also refer to oxalic acid (ID No.0595, CAS No.144–62–7).
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.