

GHS Classification

ID1041

disodium tri(cyano-C)cuprate(2-)

CAS 14264-31-4

Date Classified: Oct. 23, 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	Not classified	-	-	-	Not classified because of UNRTDG No. 2316, Class: 6.1, PG I (not Class: 4.1)
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	-	-	-	Solid (GHS definition)
10 Pyrophoric solids	Not classified	-	-	-	Not classified because of UNRTDG No. 2316, Class: 6.1, I (not Class: 4.2)
11 Self-heating substances and mixtures	Not classified	-	-	-	Not classified because of UNRTDG No. 2316 Class: 6.1, PG I (not Class: 4.2)
12 Substances and mixtures, which in contact with water, emit flammable gases	Not classified	-	-	-	UNRTDG corresponding to the U.N. number (2316) peculiar to a substance is classified into 6.1 and I. Since 4.3 which indicates a water reactions combustibles was not attached, it carried out the outside of Category.
13 Oxidizing liquids	Not applicable	-	-	-	Solid (GHS definition)
14 Oxidizing solids	Not applicable	-	-	-	Inorganic compounds containing no oxygen and halogen.
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	-	-	-	Without data. [Note] The data about the healthy hazardous property of this substance was not found. But the substance is cyanide, and it is consider that it contains high toxicity. Also refer to the classification result of the relative substances of sodium cyanide (ID No.0028, CAS No.143-33-9) and copper cyanides (ID No.0273, CAS No.544-92-3).
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	Category 3	-	Warning	Causes mild skin irritation	There is no data of this product. But there is description that cyanide has weak skin irritations (CICAD(J)61(2004)), and it was set to Category 3.
3 Serious eye damage / eye irritation	Category 2B	-	Warning	Causes eye irritation	There was no data about this product. But cyanide irritates weakly to the eye in CICAD(J)61 (2004). So it was classified into Category 2B.
4 Respiratory/skin sensitization	Respiratory sensitization: Classification not possible; Skin sensitization: Classification not possible	-	-	-	No data available
5 Germ cell mutagenicity	Classification not possible	-	-	-	Without data. In addition, it is supposed in CICAD (J)61 (2004) and PIM G003 (WHO/ICPS, 1997) that there is no mutagenic in cyanide.
6 Carcinogenicity	Classification not possible	-	-	-	No data available
7 Toxic to reproduction	Classification not possible	-	-	-	There is no this product data, and although the description that "cyanide induces adverse effect against development only by the given dose or concentration which has toxicity in dam clearly" exists in CICAD (J) 61(2004). Since data is insufficient, it cannot be classified.

8	Specific target organs/systemic toxicity following single exposure	Category 1 (cardiovascular system, respiratory organs, central nervous system)	Health hazard	Danger	Cause damage to organs (cardiovascular system, respiratory organs, central nervous system)	There are no data for this substance. But CICAD (J) 61(2004), a Priority 1 document, lists the cardio-vascular system, respiratory system and central nervous system as the target organs of the cyanide of the substance in acute toxicity tests. The substance was classified as Category 1 (cardio-vascular system, respiratory system, central nervous system).
9	Specific target organs/systemic toxicity following repeated exposure	Category 1 (central nervous system)	Health hazard	Danger	Causes damage to organs (central nervous system) through prolonged or repeated exposure	Although there was no data about this product, we classified it into Category 1(central nervous system) based on the description that repeated exposure of cyanide affects the central nervous systems (CICAD(J)61 (2004; Priority 1 document)).
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.