## **GHS Classification**

ID1056 CAS 10415-75-5

## dimercury dinitrate

Date Classified: Apr. 20, 2006 (Environmental Hazards: Mar. 31, 2006)

Physical Hazards Reference Manual: GHS Classification Manual (Feb. 10, 2006)

Haz	ard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1	Explosives	Not classified	-	-	-	Not classified because of UNRTDG No. 1627, Class: 6.1, II and non-explosive solely, though the substance contains N-O bonds as chemical groups associated with explosive properties present. (Compounds with phosphorus or heated carbon are explosive.)
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	-	-	_	it was judged as normalimable from the description—about 70 dego (decomposition) of melting point—(werck, 13th,
8	Self-reactive substances and mixtures	Not classified	-	-	-	Not classified based on UNRTDG No. 1627 Class: 6.1, PGII
9	Pyrophoric liquids	Not applicable	-	-	-	Solid (GHS definition)
10	Pyrophoric solids	Not classified	-	-	-	It was judged to be normalificable from the description—weiting point, about 70 dego (decomposition)—(werck, 13th,
11	Self-heating substances and mixtures	Not classified	-	-	-	It was judged as nonflammability based on the statement with "melting point is about 70 degC (decomposition)" (Merck, 13th, 2001).
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	Not classified	_	-	-	Not classified because of UNRTDG No. 1627, Class:6.1, PG II, though its is an oxidizing agent (ERG, Guide141, 2004, corresponding to Sax, 11th, 2004 and UNRTDG No. 1627)
15	Organic peroxides	Not applicable	-	-	_	Inorganic compound
16	Corrosive to metals	Classification not	-	-	-	Test methods applicable to solid substances are not available.

## **Health Hazards**

Haz	ard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1	Acute toxicity (oral)	Category 3	Okuli aliu	Danger	Toxic if swallowed	SPECIES: Rat; ENDPOINT: LD50;VALUE:170mg/kg; REFERENCE SOURCE: RTECS (2004)
1	Acute toxicity (dermal)	Category 5	-	Warning	May be harmful in contact with skin	It is based on rat dermal LD50= 2330mg/kg (RTECS, 2004).
1	Acute toxicity (inhalation: gas)	Not applicable	-	-	-	Solid (GHS definition)
1	vapour)	Classification not possible	-	ı	-	No data available
1		Classification not possible	-	ı	-	No data available
2	Skin corrosion / irritation	Category 3	-	Warning	Causes mild skin irritation	From description with the possibility which indicates skin irritation in humans (DFGOT, vol.15, 2001[as inorganic mercury compounds]; HSFS, 1993), mild irritation was considered to be a certain thing, and it was set to Category 3.
3	Serious eye damage / eye irritation	Category 2B	-	Warning	Causes eye irritation	Due to the description that it may irritate to the eye (HSFS, 1993), it was classified into Category 2B.
4		Respiratory sensitization: Classification not possible; Skin sensitization: Category1	(Respiratory sensitization)-; (Skin sensitization)Exclam ation mark	(Skin		Respiratory sensitization: no data available. Skin sensitization: since metallic mercury and inorganic mercury compound (as Hg) were made into those with skin sensitization (MAK/BAT, 2005; DFGOT, vol.15, 2001), they were set to Category 1.
5	Germ cell mutagenicity	Category 2	Health hazard	· ·	Suspected of causing genetic defects (state route of exposure if it is	In ATSDR (1999), since it estimated that mercury and mercury compounds induced chromosomal abnormality to the animal somatic cell in an in vivo, they were set to Category 2.

6	Carcinogenicity	Not classified	=	-	=	As inorganic mercury compounds, it was out of the Category. Since it is classified into IARC Group 3 (IARC, 58, 1993) and ACGIH A4 (ACGIH-TLV, 2004).
7	Toxic to reproduction	Category 2	Health hazard		the undorn child	Since the effect on generating (California EPA, Proposition 65 List of Chemicals, 2005) and reproductive (ACGIH-TLV, 2004) was indicated as mercury and mercury compounds or inorganic mercuries, it was considered as Category 2.
8		Category 1 (kidneys);	Health hazard; Exclamation mark		or may cause	The substance was classified as Category 1 (kidneys) and Category 3 (airway irritant) based on the reports concerning humans in Priority 1 documents that the target organs of the substance in the inorganic mercury compound are the kidneys (DFGOT, vol.15, 2001), and the report of potential irritant properties to the respiratory system in a Priority 2 document (HSFS, 1993).
	exposure	Category 1 (central nervous system, kidneys)	Health hazard	Danger		Since it was described the effect on the central nervous systems and the kidney of humans by inorganic mercury compounds in Priority 1 document (ACGIH-TLV, 2004;EHC, 118, 1991), it was classified into Category 1 (a central nervous systems, the kidney).
10		Classification not possible	_	-	-	No data available

## **Environmental Hazards**

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification			
any iran mant (aguta)	Classification not possible	-	ı	-	No data available			
:	Classification not possible	_	ı	-	No data available.			