GHS Classification

ID600

Lead distearate

CAS 1072-35-1 Physical Hazards

Date Classified: Jul. 24, 2006 (Environmental Hazards: Mar. 31, 2006)

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

Haza	ard 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		-	_	Non-combustible (Weiss (2nd, 1985))
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	1	-	_	Non-combustible (Weiss, 2nd, 1985)
11	Self-heating substances and mixtures	Not classified	-	-	-	Non-combustible (Weiss, 2nd, 1985)
12	Substances and mixtures, which in contact with water, emit flammable gases	Not classified	-	-	-	Since aqueous solubility is measured, it is stable in the water. (Merck (13th, 2001), SRC (2006))
13	Oxidizing liquids	Not applicable		-		Solid (GHS definition)
14	Oxidizing solids	Not applicable	-	-	_	Organic compounds containing oxygen (but not chlorine and fluorine) and the oxygen is chemically bonded only to carbon (but not to other elements).
15	Organic peroxides	Not applicable	_	_	_	Organic compounds containing no −0−0− structure
16	Corrosive to metals	Classification not	-	-	-	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	-	_	-	Although there are two data (IUCLID (2000)) of rat LD50> 15000mg/kg and LD50> 2000mg/kg, it cannot classify with only these data.
1 Acute toxicity (dermal)	Classification not possible	-	-	-	No data available
1 Acute toxicity (inhalation: gas)	Not applicable	-	-	-	Solid (GHS definition)
 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	-	-	-	No data available
3 Serious eye damage / eye irritation	Classification not possible	-	-	-	No data available
4 Respiratory/skin sensitization	sensitization: Classification not possible; Skin sensitization: Classification not	sensitization)-; (Skin	sensitization)-;	(Respiratory sensitization)-; (Skin sensitization)-	No data available
5 Germ cell mutagenicity	Classification not possible	-	-	-	No data available
6 Carcinogenicity	Category 1B	Health hazard	Danger	May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	It was classified into R by NTP(NTP (2005)), into Group 2A by IARC (IARC 87 (2004)), into A3 by ACGIH(ACGIH-TLV (2004)), and into 2B by Japan Society for Occupational Health(JETOC specially data No.190 (2004)). So it was set as Category 1B.

7	Toxic to reproduction	Category 1A	Health hazard		way damage tertility	Refer to [ID 168, a lead, CAS NO:439-92-1], [ID 48, oxidization lead (II), CAS NO:1317-36-8], and [lead acetates (II),
8	Specific target organs/systemic toxicity following single exposure	Category 1 (blood system, kidneys, nervous system)	Health hazard	Danger	Cause damage to organs (blood system, kidneys, nervous system)	THE EVS 101 Info Info Info Info Info Info Info Info
	Specific target organs/systemic toxicity following repeated exposure	Category 1 (blood system, kidneys, nervous system)	Health hazard	Danger	organs (blood system, kidneys, nervous system) through prolonged or repeated	There is no repetitive exposure information about lead stearate. However, the hemoglobin composition prevention which originated in delta-aminolevulinic acid and heme synthetases inhibition, the anemia by shortening of red cell life span, an interstitial disorders, oliguria, and the proximal tubule damages which assumes the Fanconi syndromes represented by albuminuria, bloody urine, a urinary cast, diabetes, amino acid urine to human as toxicity of the inorganic lead compounds are seen. It acts on the peripheral nerves, especially the weakness, pain, and convulsion of the muscles of extremities are acknowledged, and in high concentration exposures the effects on the central nervous systems such as ataxie, headache, dysesthesia, depression, and a coma, etc. are acknowledged. It was classified to as Category 1 (blood systems, kidney, nervous system), based on these effects which are seen equally in acute effect or chronic effect (ACGIH-TLV (2004)).
10	Aspiration hazard	Classification not possible	-	-		No data available

Environmental Hazards

<u></u>	Transfer received							
H	azard 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	-	ı	_	No data available.		