

GHS Classification

ID1157

CAS 11135-81-2

Physical Hazards

Sodium potassium alloys

Date Classified: Feb. 20, 2007 (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	-	-	-	Not an alloy with explosive properties present.
2 Flammable gases	Not applicable	-	-	-	Liquid (GHS definition)
3 Flammable aerosols	Not applicable	-	-	-	Not aerosol products
4 Oxidizing gases	Not applicable	-	-	-	Liquid (GHS definition)
5 Gases under pressure	Not applicable	-	-	-	Liquid (GHS definition)
6 Flammable liquids	Not classified	-	-	-	Not classified because of UNRTDG No. 1422, Class: 4.3, PGII but not 3 (flammable liquid), though it is flammable (NFPA, 13th, 2002)
7 Flammable solids	Not applicable	-	-	-	Liquid (GHS definition)
8 Self-reactive substances and mixtures	Not applicable	-	-	-	Not an alloy with explosive or self-reactive properties present
9 Pyrophoric liquids	Not classified	-	-	-	UNRTDG is classified into 4.3 and I according to the U.N. number (1422) peculiar to a substance. Since 4.2 and I which indicate a spontaneous combustibility liquids were not attached, it carried out the outside of Category. In addition, there is a statement in NFPA (13th, 2002), that it may ignite spontaneously when it contacts the humidity in the air.
10 Pyrophoric solids	Not applicable	-	-	-	Liquid (GHS definition)
11 Self-heating substances and mixtures	Not classified	-	-	-	UNRTDG is classified into 4.3 and I according to the U.N. number (1422) peculiar to this substance. Since 4.2 which indicates a natural exothermic chemical was not attached, it carried out the outside of Category.
12 Substances and mixtures, which in contact with water, emit flammable gases	Category 1	Flame	Danger	In contact with water releases flammable gases which may ignite spontaneously	Category 1 UNRTDG No. 1422, Class: 4.3, PG I
13 Oxidizing liquids	Not classified	-	-	-	Not classified because of UNRTDG No. 1422, Class: 4.3, PG I (not Class: 5.1)
14 Oxidizing solids	Not applicable	-	-	-	Liquid (GHS definition)
15 Organic peroxides	Not applicable	-	-	-	Inorganic compound
16 Corrosive to metals	Not classified	-	-	-	Not classified because of UNRTDG No. 1422 Class: 4.3, PG I (not Class: 8)

Health Hazards

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Acute toxicity (oral)	Classification not possible	-	-	-	No data. [Note.] There is little information about the health hazards of this substance, but it is possible that the substance possesses the same physiological actions as potassium and sodium by themselves, even in an alloy form, so refer to potassium (ID No.1156, CAS No.7440-09-7) and sodium (ID No.1310, CAS No.7440-23-5).
1 Acute toxicity (dermal)	Classification not possible	-	-	-	No data available
1 Acute toxicity (inhalation: gas)	Not applicable	-	-	-	Liquid (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 1A-1C	Corrosion	Danger	Causes severe skin burns and eye damage	There is no data of this product. But this product was also set to category 1A-1C since both potassium (ID No.1156, CAS No.7440-09-7) and sodium (ID No.1310, CAS No.7440-23-5) are categorized in category 1A-1C in a GHS classification.
3 Serious eye damage / eye irritation	Category 1	Corrosion	Danger	Causes serious eye damage	Although there is no data of this product, due to potassium (ID No.1156, CAS No.7440-09-7) and sodium (ID No.1310, CAS No.7440-23-5) having classified into Category 1 in GHS. So this product was also classified into Category 1.
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 available.
9	Specific target organs/systemic toxicity following repeated exposure	Classification not possible	-	-	-	No data available
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.