

GHS Classification

ID1334

ammonium picrate

CAS 131-74-8

Date Classified: Mar. 15, 2007 (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	Division 1.1	Exploding bomb	Danger	Explosive; mass explosion hazard	Division 1.1, UNRTDG No. 0004, Class: 1.1D (classified in each topic of the physical chemical hazard with drier products UN No. 0004, though the substance has UN No. 0004 and 1310; difference of the moisture content)
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. 0004, 1.1D (not Class: 4.1)
8 Self-reactive substances and mixtures	Not applicable	-	-	-	Classified in explosives
9 Pyrophoric liquids	Not applicable	-	-	-	Solid (GHS definition)
10 Pyrophoric solids	Not classified	-	-	-	Not classified because of UNRTDG No. 0004, Class: 1.1D (not Class: 4.2)
11 Self-heating substances and mixtures	Not classified	-	-	-	UNRTDG is classified into 1.1D according to the U.N. number (0004) peculiar to the quality of a genuine article. Since 4.2 which indicates a self-febrility chemistry article was not attached, it carried out the outside of Category.
12 Substances and mixtures, which in contact with water, emit flammable gases	Not applicable	-	-	-	The chemical structure of the substance does not contain metals or metalloids(B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At).
13 Oxidizing liquids	Not applicable	-	-	-	Solid (GHS definition)
14 Oxidizing solids	Not classified	-	-	-	Not classified because of UNRTDG No. 0004, Class: 1.1D (not Class: 5.1), though it is a strong oxidizing agent (Sax, 11th, 2004; HSDB, 2003).
15 Organic peroxides	Not applicable	-	-	-	Organic compounds containing no -O-O- structure
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	Category 2	Exclamation mark	Warning	Causes skin irritation	It was set as Category 2 from description which stimulates (Moderate) the human skin (HSDB, 2003;SITTIG, 2002;HSFS, 1987).
3 Serious eye damage / eye irritation	Category 2A	Exclamation mark	Warning	Causes serious eye irritation	It was set as Category 2A from description which stimulates (Moderate) the human eye (HSDB, 2003; SITTIG, 2002; HSFS, 1987).
4 Respiratory/skin sensitization	Respiratory sensitization: Classification not possible; Skin sensitization: Category 1	(Respiratory sensitization)-; (Skin sensitization)Exclamation mark	(Respiratory sensitization)-; (Skin sensitization)Warning	(Respiratory sensitization)-; (Skin sensitization)-; (Skin sensitization)May cause allergic skin reaction	Respiratory sensitization: no data available. Skin sensitization: industrial sanitation problems was set to Category 1 from description with it being the dermatitis by sensitizing (HSDB, 2003).
5 Germ cell mutagenicity	Classification not possible	-	-	-	Since there was no in vivo mutagenicity test result, and data was insufficient, it cannot be classified. In addition, the in vitro mutagenicity test (Salmonella test) was negative (HSDB, 2003).
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	-	-	-	Although there was description which may damage to the kidney, liver, and red corpuscles by high exposure (SITTIG, 2002; HSFS, 1987), it cannot be classified due to insufficient data.

9	Specific target organs/systemic toxicity following repeated exposure	Classification not possible	-	-	-	Although there was description that it might be a cause of damage to the kidney, liver, and red erythrocyte in repeated exposure (SITTIG, 2002), it could not be classified due to insufficient data.
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)	Category 3	-	-	Harmful to aquatic life	It was classified into Category 3 from 96-hour LC50=66mg/L of fishes (Sumatran silverside) (HSDB, 2004).
11 Hazardous to the aquatic environment (chronic)	Category 3	-	-	Harmful to aquatic life with long lasting effects	Classified into Category 3, since acute toxicity was Category 3 and supposed not rapidly degrading (BIOWIN), though supposed less bio-accumulative (log Kow=-1.4(PHYSPROP Database, 2005)).