

GHS Classification

ID1148

disodium peroxide

CAS 1313-60-6

Date Classified: Mar. 23, 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 classified	-	-	-	Not classified based on UNRTDG No. 1504, Class: 5.1, PGII, though containing nitrogen atoms adjacent to each other as chemical groups associated with explosive properties present.
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	-	-	-	UNRTDG is classified into 5.1 and I according to the UNRTDG No. (1504). It was classified as out of Category .
8 Self-reactive substances and mixtures	Not applicable	-	-	-	Classified in oxidizing solids
9 Pyrophoric liquids	Not applicable	-	-	-	Solid (GHS definition)
10 Pyrophoric solids	Not classified	-	-	-	Not classified because of UNRTDG No. 1504, Class: 5.1, I
11 Self-heating substances and mixtures	Not classified	-	-	-	Not classified because of UNRTDG No. 1504, UNRTDG Class: 5.1, I
12 Substances and mixtures, which in contact with water, emit flammable gases	Not classified	-	-	-	Although it was a water reactive substances, inert gas (oxygen) was produced. So it carried out the outside of Category. (The water reactive substances which does not correspond to a GHS acceptance criteria (Guide 144: oxidizing agents (water reactive) (ERG, 2004)).)
13 Oxidizing liquids	Not applicable	-	-	-	Solid (GHS definition)
14 Oxidizing solids	Category 1	Flame over circle	Danger	May cause fire or explosion; strong oxidizer	UNRTDG No. 1504, Class: 5.1; PG I.
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	-	-	-	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 1A-1C	Corrosion	Danger	Causes severe skin burns and eye damage	Description in the humans of PATTY (5th, 2001) "the contact to the skin brings about critical stimulativeness, reddening, and a pain. From which cause a burned in high concentrations" and EU-Annex I, C;R35, it was set as category 1. Further categorizing is difficult. [view] When further categorizing needs to be performed, it is desirable to be set as Category 1A from a viewpoint of
3 Serious eye damage / eye irritation	Category 1	Corrosion	Danger	Causes serious eye damage	There is the descriptions of PATTY (5th, 2001) "the serious irritation to the eye, membrane, and skin", "droplet to the eye has a possibility of causing serious damage" in HSDB (2002). And selection of skin stimulativeness Category 1, and a 1% solution is about pH13 (PATTY, 5th, 2001). So it was classified into Category 1.
4 Respiratory/skin sensitization	Respiratory sensitization: Classification not possible; Skin sensitization: Classification not possible	-	-	-	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	Category 3 (respiratory tract irritation)	Exclamation mark	Warning	may cause respiratory irritation or may cause drowsiness and dizziness (respiratory tract irritation)	It was considered as Category 3 (respiratory irritant) based on the description about the humans of PATTY (5th, 2001) in Priority 1 " acute exposure by inhalation causes respiratory irritant and dyspnea."
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	-	-	-	Insufficient data available.
11 Hazardous to the aquatic environment (chronic)	Classification not possible	-	-	-	Classification not possible due to lack of data