

## GHS Classification

**ID822**

**Carbonic acid, sodium salt (2:3)**

**CAS 533-96-0**

Date Classified: May 24, 2006 (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	Not applicable	-	-	-	There are no chemical groups associated with explosive properties present in the molecules.
2 Flammable gases	Not applicable	-	-	-	Solid (room temperature)
3 Flammable aerosols	Not applicable	-	-	-	Not aerosol products
4 Oxidizing gases	Not applicable	-	-	-	Solid (room temperature)
5 Gases under pressure	Not applicable	-	-	-	Solid (room temperature)
6 Flammable liquids	Not applicable	-	-	-	Solid (room temperature)
7 Flammable solids	Not classified	-	-	-	Non-combustible (ICSC (2004))
8 Self-reactive substances and mixtures	Classification not possible	-	-	-	No data available
9 Pyrophoric liquids	Not applicable	-	-	-	Solid (room temperature)
10 Pyrophoric solids	Not classified	-	-	-	Non-combustible (ICSC, 2004)
11 Self-heating substances and mixtures	Not classified	-	-	-	Not classified because of non-combustible (ICSC, 2004)
12 Substances and mixtures, which in contact with water, emit flammable gases	Classification not possible	-	-	-	No data available
13 Oxidizing liquids	Not applicable	-	-	-	Solid (room temperature)
14 Oxidizing solids	Classification not possible	-	-	-	No data available
15 Organic peroxides	Not applicable	-	-	-	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 (room temperature)
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	There was a stimulative (irritating) statement to the skin of humans (HSDB (2003), ICSC (2004)), and the complaint of the skin condition based on a stimulation was reported by the mining workers who received occupational exposure (HSDB (2003)). So it was set as Category 2.
3 Serious eye damage / eye irritation	Category 2A	Exclamation mark	Warning	Causes serious eye irritation	It is described that conjunctivitis till the 7th day, and irritating were acknowledged to the eyes of rabbit (IUCLID (2000)). Moreover, irritating to the eyes in humans is also indicated (ICSC (2004), and the irritation by occupational exposure is also actually reported (HSDB (2003)). So it was set as Category 2A based on these knowledge.
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)-	[Respiratory sensitization] No data. [Skin sensitization] No data.
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)	By the epidemiologic survey of the mining workers who received exposure, upper respiratory tracts symptoms complaints and decrease in vital capacity were seen (HSDB (2003)), there is also a statement (ICSC (2004)) that irritant is in a respiratory tracts. And it was set as Category 3 (respiratory tracts irritant).
9	Specific target organs/systemic toxicity following repeated exposure	Classification not possible	-	-	-	Classification not possible due to lack of 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)	Classification not possible	-	-	-	No data available
11 Hazardous to the aquatic environment (chronic)	Classification not possible	-	-	-	No data available.