

SODIUM CARBONATE (ANHYDROUS)

1135

October 2004

CAS No: 497-19-8
RTECS No: VZ4050000
EC No: 011-005-00-2

Carbonic acid disodium salt
Soda ash
Na₂CO₃
Molecular mass: 106.0

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Cough. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest.
Skin	Redness.	Protective gloves.	Rinse skin with plenty of water or shower.
Eyes	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Burning sensation in the throat and chest. Abdominal pain.	Do not eat, drink, or smoke during work.	Rinse mouth. Give plenty of water to drink. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Personal protection: P2 filter respirator for harmful particles.	Xi Symbol R: 36 S: (2-)22-26

EMERGENCY RESPONSE	SAFE STORAGE
	Dry. Well closed. Separated from incompatible materials. See Chemical Dangers.

IMPORTANT DATA

Physical State; Appearance

WHITE HYGROSCOPIC POWDER

Chemical dangers

The solution in water is a medium strong base. Reacts violently with acids. Reacts with magnesium, phosphorous pentoxide causing explosion hazard. Reacts with fluorine causing fire hazard.

Occupational exposure limits

TLV not established.
MAK not established.

Inhalation risk

A harmful concentration of airborne particles can be reached quickly especially if powdered.

Effects of short-term exposure

The substance is irritating to the eyes, the skin and the respiratory tract.

Effects of long-term or repeated exposure

The substance may have effects on the respiratory tract, resulting in perforation of the nasal septum. Repeated or prolonged contact with skin may cause dermatitis.

PHYSICAL PROPERTIES

Melting point: 851/C
Density: 2.5 g/cm³

Solubility in water, g/100 ml at 20/C: 30

ENVIRONMENTAL DATA

NOTES

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible