

SODIUM BENZOATE**1536**

October 2004

CAS No: 532-32-1
RTECS No: DH6650000Benzoic acid, sodium salt
 $C_7H_5NaO_2 / C_6H_5COONa$
Molecular mass: 144.11

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible under specific conditions. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Powder, water spray, foam, carbon dioxide.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	

EXPOSURE			
Inhalation	Cough.	Avoid inhalation of dust.	Fresh air, rest.
Skin	Reversible rash.	Protective gloves. Protective clothing.	Rinse skin with plenty of water or shower.
Eyes	Redness.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Nausea. Vomiting. Abdominal pain.	Do not eat, drink, or smoke during work.	Do NOT induce vomiting. Give plenty of water to drink. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Personal protection: P1 filter respirator for inert particles. Sweep spilled substance into covered containers.	

EMERGENCY RESPONSE	SAFE STORAGE

IMPORTANT DATA

Physical State; Appearance

WHITE HYGROSCOPIC CRYSTALLINE POWDER OR GRANULES

Physical dangers

Dust explosion possible if in powder or granular form, mixed with air.

Chemical dangers

The substance decomposes on heating producing irritating fumes.

Occupational exposure limits

TLV not established.
MAK not established.

Inhalation risk

A nuisance-causing concentration of airborne particles can be reached quickly when dispersed, especially if powdered.

Effects of short-term exposure

The substance is mildly irritating to the eyes.

PHYSICAL PROPERTIES

Melting point: above 300/C

Relative density (water = 1): 1.44

Solubility in water, g/100 ml at 20/C: 63

Flash point: >100/C

Auto-ignition temperature: >500/C

Octanol/water partition coefficient as log Pow: -2.27 (calculated)

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