

## SODIUM AZIDE

**Synonyms:** Azide, Azium, Sodium salt of hydrazoic acid

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
<b>FIRE</b>	Decomposes on heating.	NO contact with acids, heavy metals.	Dry sand, special powder.
<b>EXPLOSION</b>	Risk of fire and explosion on contact with acids and many metals (lead, brass, copper, mercury, silver).	Do NOT expose to friction or shock.	In case of fire: keep drums, etc., cool by spraying with water.
<b>EXPOSURE</b>		STRICT HYGIENE!	
<b>•INHALATION</b>	Cough. Headache. Shortness of breath. Unconsciousness. Nasal stuffiness. Blurred vision. Slowing heart beat. Fall in blood pressure.	Local exhaust or breathing protection.	Fresh air, rest. Artificial respiration if indicated. Refer for medical attention.
<b>•SKIN</b>	MAY BE ABSORBED! Redness. Blisters.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
<b>•EYES</b>	Redness. Pain.	Safety goggles, or eye protection	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>•INGESTION</b>	Abdominal pain. Nausea. Sweating. (Further see Inhalation).	Do not eat, drink, or smoke during work.	Rinse mouth. Do NOT induce vomiting. Give plenty of water to drink. Rest. Refer for medical attention.

**Chemical Dangers:** May explode on heating above melting point, especially on rapid heating, causing fire and explosion hazard. The solution in water is a weak base. Reacts with copper, lead, silver, mercury and carbon disulfide to form particularly shock-sensitive compounds. Reacts with acids, forming toxic and explosive hydrogen azide.

**Storage:** Fireproof. Separated from acids, food and feedstuffs, metals, especially lead and its compounds.

**Handling, Containment Devices and PPE:** Use in **exhaust hood** with chemical resistant gloves (if heavy exposure is anticipated contact Safety and Health for other glove options) and chemical goggles. If a splash hazard to the face is present, a face shield is also required.

**Waste Disposal:** Collect and store in a glass container labeled with the following "Hazardous Waste-Sodium Azide." Call Safety and Health at x5069 on the Health Science Campus and x3600 on the Main Campus for pick up.

**Emergency Spill Procedures and Decontamination:** call x 77 on the Health Science Campus and x2600 for Campus Police on the Main Campus..