

Material Safety Data Sheet for Sodium Azide

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Product Series	OptiMax™ ELISA Kits
Component	Capture Antibody; Detection Antibody
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Hazard Information

Chemical Name	Sodium Azide
Chemical Formula	NaN ₃
CAS Number	26628-22-8
EEC-No	247-852-1

Hazard Identification

Very toxic if swallowed. Contact with acids liberates very toxic gas.

First Aid Measures

Eye Contact	Irrigate thoroughly with water for at least 15 minutes. Seek medical advice.
Skin Contact	Wash skin thoroughly with soap and water for at least 15 minutes. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention.
Inhalation	Remove from exposure, rest and keep warm. In severe cases, seek medical advice.
Ingestion	Wash out mouth thoroughly with water and give plenty of water to drink. Seek medical advice.

Accidental Release Measures

Wear appropriate protective clothing. Inform others to keep a safe distance. Spread soda ash liberally over spillage. If local regulations permit, mop up cautiously with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water.

Handling and Storage

Handling	Avoid prolonged contact with copper or lead, especially in drainage systems or mercury and other heavy metals which may result in the formation of explosive azides. Under no circumstances eat, drink or smoke while handling this material. Wash hands thoroughly after working with this material. Contaminated clothing should be removed and washed before re-use.
Storage	Store at 4°C

Exposure Controls / Personal Protection

Respirator	Dust respirator
Ventilation	Extraction hood
Gloves	Rubber or plastic
Eye Protection	Lab goggles or face shield
Other Precautions	Plastic apron, sleeves, boots - if handling large quantities

Physical and Chemical Properties

Form	Liquid
Color	Colorless
Odor	Odorless
Melting Point	No data available
Boiling Temperature	No data available
Density	No data available
Vapor Pressure	No data available
Solubility in Water	Very soluble
Flash Point	No data available
Explosion limits	No data available
Ignition Temperature	No data available

Stability and Reactivity

Stable unless heated.

Slow reaction at ambient temperature unless water contains dissolved carbon dioxide. Decomposes violently with chromyl chloride. Contact with acids liberates highly toxic gas: forms readily detonatable salts with many materials, particularly heavy metals.

Toxicological Information

After ingestion, irritation of mucous membranes in the mouth, pharynx, esophagus and gastrointestinal tract.
Danger of skin absorption.

Disposal Considerations

Chemical residues are generally classified as special waste, and as such covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to chemical disposal company. Rinse out empty containers thoroughly before disposal.

Other Information

The information contained in this material safety datasheet is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. IMGENEX shall not be held responsible for any damage resulting from the use of the above product or the information contained in this material safety data sheet.