

NBP2-29661 Protocol**MSDS (NBP2-29661)**

Sodium Azide

Hazard Information

Chemical Name: Sodium Azide
Chemical Formula: NaN_3
CAS Number: 26628-22-8
EEC-No247-852-1

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 antibody at 4 degrees C, stable for six months.

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

Stability: Stable unless heated

Reactivity: 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. IMGEX 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.

PMSF

Hazard Information

Chemical Name: Phenylmethylsulfonyl fluoride
Chemical Formula: C₇H₇FO₂S
CAS Number: 329-98-6

First Aid Measures

Eye Contact: Can cause slight eye irritation.
Skin Contact: Can cause slight skin irritation.
Inhalation: Can cause slight respiratory tract irritation.
Ingestion: Harmful if swallowed.

Accidental Release Measures

If inhaled, move person into fresh air. If not breathing give artificial respiration and consult a physician.
In case of skin contact, wash off with soap and plenty of water.
In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes.
If swallowed do NOT induce vomiting. Rinse mouth with water and consult a physician.

Handling and Storage

Handling: Avoid contact with skin and eyes. Keep container tightly closed in a cool, dry, well-ventilated place.

Exposure Controls / Personal Protection

Ventilation: Handle in a well-ventilated area
Gloves: Handle with rubber or latex gloves
Eye Protection: Safety glasses, goggles or face shield

Physical and Chemical Properties

Form: Solid
Color: No data available
Odor: No data available
Melting Point: 92 degrees C (197.6 degrees F)
Boiling Temperature: No data available
Density: No data available
Vapor Pressure: No data available
Solubility in Water: soluble
Flash Point: No data available
Explosion limits: No data available
Ignition Temperature: No data available

Stability and Reactivity

Stable under recommended storage conditions.

Disposal Considerations

Absorb spill and place in a container for disposal according to local regulations.

Protease Inhibitor Cocktail

Hazard Information

Chemical Name: 4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride

Chemical Formula: C₈H₁₀FNO₂S HCl

CAS Number: 30827-99-7

First Aid Measures

Eye Contact: Can cause slight eye irritation.

Skin Contact: Can cause slight skin irritation.

Inhalation: Can cause slight respiratory tract irritation.

Ingestion: Harmful if swallowed.

Accidental Release Measures

If inhaled, move person into fresh air. If not breathing give artificial respiration and consult a physician.

In case of skin contact, wash off with soap and plenty of water.

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes.

If swallowed do NOT induce vomiting. Rinse mouth with water and consult a physician.

Handling and Storage

Handling: Avoid contact with skin and eyes. Keep container tightly closed in a cool, dry, well-ventilated place.

Exposure Controls / Personal Protection

Ventilation: Handle in a well-ventilated area

Gloves: Handle with rubber or latex gloves

Eye Protection: Safety glasses, goggles or face shield

Physical and Chemical Properties

Form: Solid

Color: beige

Odor: No data available

Melting Point: 183 degrees C (361 degrees F)

Boiling Temperature: No data available

Density: No data available

Vapor Pressure: No data available

Solubility in Water: soluble

Flash Point: No data available

Explosion limits: No data available

Ignition Temperature: No data available

Stability and Reactivity

Stable under recommended storage conditions.

Disposal Considerations

Absorb spill and place in a container for disposal according to local regulations.

Igepal CA-630 (NP-40)

Hazard Information

Chemical Name: Igepal CA-630

Chemical Formula: a-[(1,1,3,3-Tetramethylbutyl)phenyl]-w-hydroxy-poly(oxy-1,2-ethanediyl)

CAS Number: 9036-19-5

First Aid Measures

Eye Contact: Can causes eye irritation.

Skin Contact: Causes skin irritation and is toxic if absorbed through skin.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion: Harmful if swallowed.

Accidental Release Measures

If inhaled, move person into fresh air. If not breathing give artificial respiration and consult a physician.

In case of skin contact, wash off with soap and plenty of water.

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes.

If swallowed do NOT induce vomiting. Rinse mouth with water and consult a physician.

Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Keep container tightly closed in a cool, dry, well-ventilated place.

Exposure Controls / Personal Protection

Ventilation: Handle in a fume hood to avoid vapors

Gloves: Handle with rubber or latex/nitrile gloves

Eye Protection: Safety goggles

Physical and Chemical Properties

Form: Liquid

Color: No data available

Odor: No data available

Melting Point: No data available

Boiling Temperature: No data available

Density: 1.06 g/mL at 25 degrees C (77 degrees F)

Vapor Pressure: No data available

Solubility in Water: Soluble

Flash Point: No data available

Explosion limits: No data available

Ignition Temperature: No data available

Stability and Reactivity

Stable under recommended storage conditions.

Disposal Considerations

Absorb spill and place in a container for disposal according to local regulations.

Dithiothreitol (DTT)

Hazard Information

Chemical Name: Dithiothreitol

Chemical Formula: C₄H₁₀O₂S₂

CAS Number: 3483-12-3

First Aid Measures

Eye Contact: Can cause eye irritation.

Skin Contact: Causes skin irritation and is toxic if absorbed through skin.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion: Harmful if swallowed.

Accidental Release Measures

If inhaled, move person into fresh air. If not breathing give artificial respiration and consult a physician.

In case of skin contact, wash off with soap and plenty of water.

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes.

If swallowed do NOT induce vomiting. Rinse mouth with water and consult a physician.

Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Keep container tightly closed in a cool, dry, well-ventilated place.

Exposure Controls / Personal Protection

Ventilation: Handle in a fume hood to avoid vapors

Gloves: Handle with rubber or latex/nitrile gloves

Eye Protection: Safety goggles

Physical and Chemical Properties

Form: Liquid

Color: No data available

Odor: No data available

Melting Point: No data available

Boiling Temperature: No data available

Density: No data available
Vapor Pressure: No data available
Solubility in Water: Soluble
Flash Point: NA
Explosion limits: NA
Ignition Temperature: No data available

Stability and Reactivity
Stable under recommended storage conditions.

Disposal Considerations
Absorb spill and place in a container for disposal according to local regulations.

TRITON X-100

Hazard Information
Chemical Name: TRITON X-100
Chemical Formula: (C₂-H₄-O)_nC₁₄-H₂₂-O
CAS Number: 9002-93-1

First Aid Measures

Eye Contact: Can causes eye irritation.
Skin Contact: Causes skin irritation and is toxic if absorbed through skin.
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion: Harmful if swallowed.

Accidental Release Measures

If inhaled, move person into fresh air. If not breathing give artificial respiration and consult a physician.
In case of skin contact, wash off with soap and plenty of water.
In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes.
If swallowed do NOT induce vomiting. Rinse mouth with water and consult a physician.

Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Handle powder in a fume hood.
Keep container tightly closed in a cool, dry, well-ventilated place.

Exposure Controls / Personal Protection

Ventilation: Handle in a well-ventilated area
Gloves: Handle with rubber or latex gloves
Eye Protection: Safety glasses, goggles or face shield to protect from splash hazard

Physical and Chemical Properties

Form: Liquid
Color: Colorless
Odor: Odorless
Melting Point: 6 degrees C (42.8 degrees F)
Boiling Temperature: 270 degrees C (518 degrees F)
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 under recommended storage conditions.

Disposal/Spill Considerations
Absorb spill and place in a container for disposal according to local regulations.

EDTA

Hazard Information

Chemical Name: Ethylenediaminetetraacetic Acid Tetrasodium Salt, Dihydrate

Chemical Formula: C₁₀H₁₂N₂Na₄O₈·2H₂O

CAS Number: 10378-23-1

First Aid Measures

Eye Contact: Can cause slight eye irritation.

Skin Contact: Can cause slight skin irritation.

Inhalation: Can cause slight respiratory tract irritation.

Ingestion: Harmful if swallowed.

Accidental Release Measures

If inhaled, move person into fresh air. If not breathing give artificial respiration and consult a physician.

In case of skin contact, wash off with soap and plenty of water.

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes.

If swallowed do NOT induce vomiting. Rinse mouth with water and consult a physician.

Handling and Storage

Handling: Avoid contact with skin and eyes. Keep container tightly closed in a cool, dry, well-ventilated place.

Exposure Controls / Personal Protection

Ventilation: Handle in a well-ventilated area

Gloves: Handle with rubber or latex gloves

Eye Protection: Safety glasses, goggles or face shield

Physical and Chemical Properties

Form: Solid

Color: White

Odor: No data available

Melting Point: No data available

Boiling Temperature: No data available

Density: No data available

Vapor Pressure: No data available

Solubility in Water: soluble

Flash Point: > 93.3 degrees C (200 degrees F)

Explosion limits: No data available

Ignition Temperature: No data available

Stability and Reactivity

Stable under recommended storage conditions.

Disposal Considerations

Absorb spill and place in a container for disposal according to local regulations.