

NBP2-29447 Protocol

MSDS (NBP2-29447)

Material Safety Data Sheet for 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.

Material Safety Data Sheet for Protease Inhibitor Cocktail

Hazard Information

Chemical Name: 4-(2-Aminoethyl) benzenesulfonyl fluoride 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.

Material Safety Data Sheet for 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.

Material Safety Data Sheet for Dithiothreitol (DTT)

Hazard Information

Chemical Name: Dithiothreitol
Chemical Formula: C₄H₁₀O₂S₂
CAS Number: 3483-12-3

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: 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.

Material Safety Data Sheet for TRITON X-100

Hazard Information

Chemical Name: TRITON X-100
Chemical Formula: (C₂-H₄-O)_nC₁₄-H₂₂-O
CAS Number: 9002-93-1
EEC-No: n/a

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.

Material Safety Data Sheet for 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.