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NBP2-29447 Protocol

MSDS (NBP2-29447)

[[URL:https://www.novusbio.com/products/nuclear-kit_nbp2-29447]][[Caption:Nuclear Extraction Kit]]
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) 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.

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.