

**NBP2-29902 Protocol****MSDS (NBP2-29902)**

[[URL:https://www.novusbio.com/products/quikchip-kit_nbp2-29902]][[Caption:QuikChIP Kit (ChIP)]]
TRITON X-100

Hazard Information

Chemical Name: TRITON X-100

Chemical Formula: (C₂H₄O)_nC₁₄H₂₂O 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. Keep container tightly closed and store and handle 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

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Sodium Dodecyl Sulphate**Hazard Information**Chemical Name: Sodium Dodecyl Sulphate Chemical Formula: NaC₁₂H₂₅O₄S

CAS Number: 151-21-3

EEC-No: 205-788-1

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 powder in a fume hood Gloves: Handle with rubber or latex gloves

Eye Protection: Safety glasses, goggles or face shield

Physical and Chemical Properties

Form: Solid Color: White 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 under recommended storage conditions.

Disposal Considerations

Contain spill collect with a vacuum cleaner or by wet-brushing and place in a container for disposal according to local regulations. Keep in suitable, closed containers for disposal.

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

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Glycine (Glycerine)

Hazard Information

Chemical Name: Glycine (Glycerine) Chemical Formula: C₂H₅NO₂

CAS Number: 56-40-6

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 to prevent splash hazard

Physical and Chemical Properties

Form: Liquid Color: Colorless Odor: Odorless

Melting Point: Decomposition temperature: Starts to decompose at 233 degrees C (451.4 degrees F); Completely sintered at 280 deg. C.

Boiling Temperature: No data available Density: No data available

Vapor Pressure: No data available Solubility in Water: soluble

Flash Point: >176.67 degrees C (350 degrees F)

Explosion limits: No data available Ignition Temperature: No data available

Stability and Reactivity

Stable under recommended storage conditions.

Disposal Considerations

Small Spill: Use appropriate tools to put the spill in a convenient waste disposal container.

Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

PMSF

Hazard Information

Chemical Name: Phenylmethylsulfonyl fluoride Chemical Formula: C₇H₇FO₂S

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

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill: Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

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

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill: Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Salmon sperm DNA

Hazard Information

Chemical Name: Salmon sperm DNA Chemical Formula: n/a

CAS Number: 100403-24-5

EEC-No: 309-566-6

First Aid Measures

Eye Contact: May cause eye irritation. Skin Contact: May cause skin irritation. Inhalation: May be harmful if inhaled. Ingestion: May be 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 well-ventilated area. Keep container tightly closed in a cool, dry, well-ventilated place.

Exposure Controls / Personal Protection Ventilation: Handle powder 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: No data available Explosion limits: No data available Ignition Temperature: No data available

Stability and Reactivity

Stable under recommended storage conditions.

Disposal Considerations

Absorb on sand or vermiculite and place in closed containers for disposal. Dispose contaminated material as waste according to all federal, state and local environmental regulations.. Ventilate area and wash spill site after material clean-up is complete.

Proteinase K

Hazard Information

Chemical Name: Proteinase K, from Tritirachium album CAS Number: 39450-01-6

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 to prevent splash hazard

Physical and Chemical Properties

Form: Solid

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: No data available Explosion limits: No data available Ignition Temperature: No data available

Stability and Reactivity

Stable under recommended storage conditions.

Disposal Considerations

Small Spill: Use appropriate tools to put the spill in a convenient waste disposal container.

Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.