SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Ni-NTA Neutral Buffer
Gator Part Number:	120053
Unit of Measure:	Bottle (50mL)
Recommended Use:	Laboratory reagent, for research and development use only. Not for human or animal therapeutic or diagnostic use.
Manufacturer/Supplier:	Gator Bio, 2455 Faber Place, Palo Alto, CA 94303 USA
Phone:	1-855-208-0743

SECTION 2: HAZARDS IDENTIFICATION

OSHA HazCom 2012:	The mixture is primarily hazardous due to the presence of Nickel(II) Chloride and ProClin 300.
Hazard Statement:	H317: May cause an allergic skin reaction. H351: Suspected of causing cancer by inhalation (due to Nickel(II) Chloride). H410: Very toxic to aquatic life with long lasting effects.
Signal Word:	Warning
Pictogram(s):	
Precautionary Statement(s):	P264: Wash hands thoroughly after handling. P273**:** Avoid release to the environment. P280: Wear protective gloves/eye protection/face protection.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture

Chemical Name	CAS Number	Concentration (%)	Hazard Classification
Nickel (II) Chloride	7718-54-9	< 1%	Carc. 1A; Muta. 2; Repr. 1B; STOT RE 1; Acute Tox. 3; Skin Irrit. 2; Resp. Sens. 1; Skin Sens. 1; Aquatic Acute 1; Aquatic Chronic 1
Proclin 300	Mixture	< 0.1%	Not classified as hazardous

SECTION 4: FIRST-AID MEASURES

Inhalation:	Remove person to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist.
Skin Contact:	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation develops, get medical attention.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.
Ingestion:	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
Symptoms/Effects:	Causes redness, pain, and irritation on contact with skin or eyes.
Immediate Medical Attention:	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures appropriate for the surrounding fire, such as water spray, dry chemical, carbon dioxide, or foam.
Unsuitable Extinguishing Media: Not applicable.

Specific Hazards Arising from the Chemical: The product is non-flammable. Upon heating, it may decompose to produce carbon oxides and nitrogen oxides.
Special Protective Equipment and Precautions: Firefighters should wear self-contained breathing apparatus and full firefighting protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes, and clothing.
Protective Equipment:	Wear appropriate personal protective equipment as outlined in Section 8.
Environmental Precautions:	Do not allow the product to enter drains, surface water, or ground water.
Clean-up:	Absorb spill with inert material. Transfer to a waste container and dispose of in accordance with local regulations. Wash the spill area with soap and water.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Wear appropriate personal protective equipment (gloves, lab coat, safety goggles). Use with adequate ventilation. Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes, and clothing. Wash hands thoroughly after handling.
Conditions for Safe Storage:	Store at 2-8°C in a refrigerator. Store away from incompatible materials.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limits:	Nickel(II) Chloride (as Nickel, Soluble Compound): OSHA PEL (Permissible Exposure Limit): 1 mg/m^3 TWA ACGIH TLV (Threshold Limit Value): 0.1 mg/m^3 (inhalable fraction) TWA
Personal protection measures:	
- Eye/Face Protection:	Chemical safety goggles.
- Skin Protection:	Wear appropriate chemical-resistant gloves (e.g., nitrile) and a lab coat.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless liquid.
Odor:	Odorless.
Odor Threshold:	Not applicable.
pH:	≈ 6.9
Initial Boiling Point/Range:	≈100°C (212°F) (based on water)
Evaporation Rate:	Similar to water.
Flash Point:	Not applicable.
Flammability:	Not flammable.
Vapor Pressure:	Similar to water.
Vapor Density:	Similar to water.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions of use.
Chemical Stability:	Stable under recommended storage conditions.
Possible Hazardous Reactions:	No hazardous reactions are known.
Conditions to Avoid:	Incompatible materials.
Incompatible Materials:	Strong bases, strong oxidizing agents.
Hazardous Decomposition Products:	Upon thermal decomposition, may produce carbon oxides and nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	Based on ingredient information, the product is not expected to be acutely toxic via oral, dermal, or inhalation routes.
Skin Corrosion/Irritation:	Causes skin irritation.
Sensitization:	May cause an allergic skin reaction.
Carcinogenicity:	Contains Nickel(II) Chloride, which is classified as a Category 1B carcinogen (suspected of causing cancer) by the IARC.
Reproductive Toxicity:	No data available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Contains Nickel(II) Chloride, which is toxic to aquatic life. Do not dispose of in waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods:	Dispose of contents and containers in accordance with local, regional, national, and international regulations. Chemical waste generators must determine if a discarded chemical is classified as a hazardous waste.

Section 14: TRANSPORT INFORMATION

DOT / IATA / IMDG: For this 50 mL laboratory pack size, product is not regulated for transport as a hazardous material.

SECTION 15: REGULATORY INFORMATION

OSHA HazCom (29 CFR 1910.1200):	This product is classified as hazardous due to sensitization potential (nickel compounds).

SARA Title III (EPCRA):

Section 302 (Extremely Hazardous Substances): Not applicable at these concentrations.
Section 311/312 (Hazard Categories): Acute health hazard (skin/eye irritation, sensitization).
Section 313 (Toxic Release Inventory): This product contains Nickel compounds (Nickel(II) chloride) which are subject to reporting under Section 313 if quantities exceed the reporting threshold.

CERCLA (40 CFR 302.4):	Nickel chloride is a listed hazardous substance (RQ = 100 lb). The amount in this mixture is well below reportable quantities.
California Prop 65 (USA):	Nickel compounds are listed as chemicals known to the State of California to cause cancer.
Other regulations:	Follow local environmental and occupational safety requirement.

SECTION 16: OTHER INFORMATION

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