

MATERIAL SAFETY DATA SHEET

Stop Solution

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Stop Solution	Manufacturer:	BioNano Genomics
Description:	Laboratory Reagent	Address:	9640 Towne Centre Drive
Product Number:	20164		San Diego, CA 92121
MSDS Issued:	September 14, 2010	Telephone:	(858) 888-7600

2 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Percent Composition	Exposure Limit or Threshold Level
Ethylenediaminetetra aceticacid	1183-53-1	(0.5M) = <0.1%	N/A

3 HAZARDS IDENTIFICATION

Irritant. If in eyes rinse properly and thoroughly, may cause redness or pain. Call a poison center if you feel unwell. Causes skin irritation and redness.

4 FIRST AID MEASURES

Eye Contact: Immediately flush with large quantities of water for at least fifteen minutes. Consult a physician.
Skin Contact: Wash off with soap and plenty of water. Consult a physician.
Ingestion: Wash out mouth with water if person is conscious. Do not give anything by mouth if victim is unconscious. Consult a physician.
Inhalation: If breathed in, move person to fresh air. If not breathing give artificial respiration. Consult a physician.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Any means suitable for extinguishing fire. Do not use sawdust.
Special Firefighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire & Explosion Hazards: None

6 ACCIDENTAL RELEASE MEASURES

Personal precaution: Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions: Prevent from entering drains. Discharge into the environment must be avoided.
Methods for cleaning up: Pick up and arrange disposal without creating dust. Keep in suitable closed containers for disposal.

7 HANDLING AND STORAGE

Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Keep in tightly closed container, stored in cool, dry, ventilated area. Protect against physical damage. Keep away from incompatible substances.

8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection: Safety glasses or goggles.
Hand Protection: Latex, nitrile or vinyl gloves.
Respiratory Protection: None, if used according to directions. If concerned use respiratory mask.
Ventilation: Use in a well-ventilated laboratory.
Other Protective Equipment: Lab coat or apron.
Hygiene measures: Avoid contact with Skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Safety shower and eye wash facilities should be made available in laboratory.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid
Odor: Clear
Solubility: Not tested.

10 STABILITY AND REACTIVITY

Incompatibility: Oxidizing agents.
Stability: Store under recommended conditions. Stable under normal conditions.
Hazardous Polymerization: Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides.
Conditions to Avoid: No information available.

11 TOXICOLOGICAL INFORMATION

Acute toxicity: LD50-Oral-Rat/mouse – 2000 mg/Kg.
Signs and symptoms of exposure: May cause skin and eye irritation. Maybe harmful if inhaled or absorbed through the skin. Maybe irritating to the mucous membrane and upper respiratory tract. Maybe harmful if swallowed.
No components greater than 0.1% of this product are listed in IARC and NTP.
To the best of our knowledge, the chemical, physical, and toxicological properties of this product have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Aquatic toxicity: LC50- Blue gill- 159mg/L (Static). -96h

13 DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Observe all federal, state and local environmental conditions.
Contaminated packaging: Dispose off as unused product.

14 TRANSPORTATION INFORMATION

To the best of our knowledge, this product is not regulated as a hazardous material.

15 REGULATORY INFORMATION

WHMIS Hazard class: Not listed

OSHA Hazard: Not listed.

TSCA status: Not listed.

R:36/37/38: Irritating to eyes, respiratory system and skin.

S:36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

California Prop 65 components: This product does not contain any components known to the state of California to cause cancer, birth or any other reproductive defects.

16 OTHER INFORMATION

Limitations: The information and recommendations set forth in this MSDS are believed to be correct as of this date. BioNano Genomics makes no warranty with respect to the content of this MSDS and disclaims all liability from reliance thereon.