

MATERIAL SAFETY DATA SHEET

DNA Stain

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DNA Stain
Description: Laboratory Reagent
Product Number: 20162
MSDS Issued: September 14, 2010

Manufacturer: BioNano Genomics
Address: 9640 Towne Centre Drive
San Diego, CA 92121
Telephone: (858) 888-7600

2 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Percent Composition	Exposure Limit or Threshold Level
Yoyo-1 3.04uM 1mM DMSO stock diluted to 0.625uM in TE buffer	67-68-5	0.625uM	N/A

3 HAZARDS IDENTIFICATION

Components of this product may be absorbed in the body through the skin. Target organ effects: Eyes and skin. Irritating to the eyes.

4 FIRST AID MEASURES

Eye Contact: Immediately flush with large quantities of water for at least fifteen minutes. Causes eye irritation.
Skin Contact: Wash off with soap and plenty of water. Maybe harmful if absorbed through skin. Causes skin irritation.
Ingestion: Wash out mouth with water if person is conscious. Do not give anything by mouth if victim is unconscious. Maybe harmful if swallowed.
Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Maybe harmful if inhaled. Causes respiratory tract irritation. Consult a physician.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical.
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. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental precautions: Prevent from entering drains.
Methods for cleaning up: Soak up with inert absorbent material.

7 HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes.
Storage: Keep in properly labeled containers.

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: None
Solubility: Soluble.

10 STABILITY AND REACTIVITY

Incompatibility: No information available.
Stability: Store under recommended conditions. Stable under normal conditions.
Hazardous Polymerization: Does not occur
Conditions to Avoid: No information available.

11 TOXICOLOGICAL INFORMATION

Acute toxicity: LD50-Oral-Rat/mouse – 14,500 mg/Kg.
Signs and symptoms of exposure: Irritating to the eyes, may be absorbed through the skin. Target organs eyes/skin.
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

No information available. Inherently biodegradable. Does not bioaccumulate.

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: D2B (Toxic materials), B3 (Combustible liquid)

TSCA status: On TSCA inventory.

DSL status: All components of this product are on the Canadian DSL list.

SARA 313 components: This product is not regulated by SARA

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

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.