

Product name: MaestroSafe Nucleic Acid Stains(loading dye)
Catalog number : MR-031201

Data updated: 01/13/2022

 MaestroGen Inc.
 3F, No.18, Ln. 568, Niupu E. Rd.,
 Xiangshan Dist., Hsinchu 30091, Taiwan
 +886-3-5308665

1.IDENTIFICATION OF THE SUBSTANCE

 Application of the substance
 the preparation: Laboratory chemicals

 Manufacturer/Supplier: MaestroGen ,Inc.,
 Address: 3F, No.18, Ln. 568, Niupu E. Rd.,Xiangshan Dist.,
 Hsinchu 30091, Taiwan(R.O.C)
 TEL : +886-3-5308665
 FAX : +886-3-5308663

2.COMPOSITION, INFORMATION ON INGREDIENTS

 Formula: C21H28N4
 CAS number: N/A
 EEC-No: N/A

3.HAZARDS IDENTIFICATION

Not hazardous according to Directive 67/548/EEC.

 Eyes: May cause eye irritation with susceptible persons.
 Skin: May cause skin irritation in susceptible persons.
 Inhalation: May be cause harmful by inhalation.
 Ingestion: May be harmful if swallowed.

4. FIRST AID MEASURES

 Eye contact: Flush with copious amounts of water for at least 15 minutes.
 Assure adequate flushing by separating the eyes with fingers.
 Call a physician.

 Skin contact: Wash off immediately with plenty of soap and water
 If irritation developes,get medical attention.

 Inhalation: Move to fresh air. If breathing becomes difficult,
 call a physician
 Ingestion: Wash out mouth with water provided person is conscious.
 Call a physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Dry chemical powder, CO2, water spary or appropriate foam.

Protective equipment:

 Wear self-contained breathing apparatus and protective clothing
 if necessary.

Unusual Fire and Explosions Hazard: N/A

Flash point: N/A

Autoignition Temp: N/A

Flammability: N/A

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Minimize direct contact with skin and eyes.

Methods for cleaning up:

 Soak up with inert absorbing materials and place in a closed
 container for disposal.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so.

7.HANDLING AND STORAGE

Storage : Keep container tightly closed. Store at 4°C

 Handling: Avoid contact with skin and eyes. Avoid inhalation.
 Avoid prolonged or repeated exposure.

8.EXPOSURE CONTROLS, PERSONAL PROTECTION

 Personal Protective Equipment requirements are dependent of the user
 institution's risk assessment, and are specific to the risk assessment for
 each laboratory where this material may be used.

 Respiratory Protection: Wear suitable respiratory equipment if ventilation
 is insufficient.

Hand: Compatible chemical-resistant gloves.

Eye: Compatible safety goggles.

Skin and body protection: Lightweight protective clothing.

 Hygiene measures: Handle in accordance with good industrial
 hygiene and safety practice.

9.STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous Decomposition Products: None under normal conditions.

Hazardous Polymerization: Does not occur.

10.PHYSICAL AND CHEMICAL PROPERTIES

 Form: liquid
 Colour: Green
 Odour: N/A
 PH valve: N/A
 Boiling point: N/A
 Melting point: N/A
 Flash point : N/A
 Autoflammability: N/A
 Explosion limits: N/A
 Vapour pressure: N/A
 Relative density : N/A
 Water solution : N/A
 Ignition temperature : N/A

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD50 Subcutaneous Mouse 250 mg/kg

Signs and symptoms of exposure:

 To the best of our knowledge, the chemical, physical and
 toxicological properties have not been thoroughly investigated.

Route of exposure

 Skin Contact: May cause irritation.
 Skin Absorption: May be harmful if absorbed through the skin.
 Eye contact: May cause eye irritation.
 Inhalation: May cause irritation to upper respiratory tract .
 Ingestion: May be harmful if swallowed.

 Target organ information - Blood
 Chronic exposure – Carcinogen

Result:

 The agent (mixture, exposure circumstance) is probably
 not carcinogenic to humans.

 The agent has a negative result in mouse marrow chromophilus
 erythrocyte micronucleus test. The agent has a negative result
 in mouse spermary spermatocyte chromosomal aberration test.

IARC carcinogen list

Rating: Group 4

Chronic exposure – Mutagen

Result:

 Laboratory experiments and Ames test have shown few
 mutagenic effects.

12.Ecological Information

No data available.

13. DISPOSAL CONSIDERATIONS

 Contact a professional waste disposal service to dispose of this
 material. Dissolve or mix the material with a combustible solvent
 and burn in a chemical incinerator equipped with an afterburner
 and a scrubber. Chemical residues are generally classified as special
 waste, and as such covered by regulations, which vary according to
 location.Contact your local waste disposal authority for advice,
 or pass to a chemical disposal company.

14. TRANSPORT INFORMATION

Dot (US) - Not dangerous goods

IMDG - Not dangerous goods

IATA - Not dangerous goods

15. REGULATORY INFORMATION

US classification and label text indication of Danger : Irritant.

 Risk Statements : In case of contact with eyes, rinse immediately
 with plenty of water and seek medical advice.
 Wear suitable protective clothing.

United states regulatory information

SARA 313 : Not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):

Contains no HAPs.

Canada regulatory information WHMIS Classification : Not controlled

 This product has been classified in accordance with the hazard
 criteria of the CPR , and the MSDS contains all information required
 by the CPR.

16. OTHER INFORMATION

 The information contained in this Material Safety Datasheet is
 believed to be accurate but it is the responsibility of the user or
 supplier to determine the applicability of these data to the
 formulation of necessary safety precautions. MaestroGen, Inc.,
 shall not be held responsible for any damage resulting from the use
 of the above product or the information contained in this
 Material Safety Datasheet.