

Material Safety Data Sheet

Data updated:10/24/2007

Product name: MaestroSafe™ Nucleic Acid Stains

Catalog number : MR-031201

1. IDENTIFICATION OF THE SUBSTANCE

Application of the substance / the preparation: Laboratory chemicals

Manufacturer/Supplier:

Maestrogen , Inc.,

Address:

8275 South Eastern, Avenue #200, LAS VEGAS NV 89123, USA

TEL : +886-3-5312669 Ext. 202 FAX : +886-3-5339118

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.

Emergency overview : Irritant.

Irritating to eyes, respiratory system and skin.

HMIS rating : Health : 1
 Flammability :0
 Reactivity :0

NFPA rating : Health : 1
 Flammability :0
 Reactivity :0

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 develops, 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 spray or appropriate foam.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Minimize direct contact with skin and eyes.

Methods for cleaning up: Pick up and arrange disposal. Keep in suitable, closed containers for disposal. Ventilate after spill.

7. HANDLING AND STORAGE

Storage : Keep container tightly closed in dry and well-ventilated place. Light sensitive. Hygroscopic.

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

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

As appropriate to quantity handled.

NIOSH/MSHA approved respirator if necessary.

Compatible chemical resistant gloves.

Chemical safety goggles.

Keep tightly closed.

Store in a cool dry place.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid

Colour: Brown

Odour: N/A

PH value: 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

10. STABILITY AND REACTIVITY

Protect from strong oxidizing agents.

Hazardous Decomposition Products formed under fire conditions are Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen iodide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD50

Subcutaneous

Mouse

250 mg/kg

Signs and symptoms of exposure

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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 and mucous membranes. May be harmful if inhaled.

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

EU additional classification :

Symbol of Danger: Xi

Indication of Danger : Irritant.

R : 36/37/38

Risk Statement : In case of contact with eyes , rinse immediately with plenty of water and seek medical advice.

US classification and label text

Maestrogen , Inc. ,

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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 LISTED : No

Canada regulatory information

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

DSL :No

NDSL : No

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.

Applied Biological Materials 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.