



Safety Data Sheet

HEPES, 1M

1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: HEPES, 1M

Catalogue number of the product: CC519-0100

Use of the preparation:

For laboratory use.

Company identification:

Genedirex, Inc.

Site: <http://www.genedirex.com>

2. HAZARDS IDENTIFICATION

GHS - Classification

Signal Word

None

Health hazards

Not classified

Physical hazards

Not classified

Hazard Statements

Not Applicable

Prevention

Not Applicable

Response

Not Applicable

Storage

Not Applicable

Disposal

Not Applicable

Precautionary Statements

Not Applicable

Principle Routes of Exposure

Potential Health Effects

Eyes

May cause eye irritation with susceptible persons.

Skin

May cause skin irritation in susceptible persons.

Inhalation

May be harmful by inhalation.

Ingestion

May be harmful if swallowed.

Specific effects

Carcinogenic effects

None.

Mutagenic effects

None.

Reproductive toxicity

None.

Sensitization

None.

Target Organ Effects

No known effects under normal use conditions.

HMIS

Health

0

Flammability

0

Reactivity

0

3. COMPOSITION/ INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health..

4. FIRST-AID MEASURES

Skin contact:

Rinse cautiously with water for several minutes. Immediate medical attention is not required.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Ingestion:

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation:

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed: Not Applicable

Notes to Physician: Treat symptomatically.



Safety Data Sheet

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.
Special protective equipment for firefighters Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:
Always wear recommended Personal Protective Equipment. Use personal protection equipment.
Methods for cleaning up:
Soak up with inert absorbent material.
Environmental precautions:
No special environmental precautions required.
See Section 12 for more information..

7. HANDLING AND STORAGE

Handling: Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
Storage: Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits
We are not aware of any national exposure limit.
Engineering measures Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.
Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection Impervious gloves.
Eye protection Wear safety glasses with side shields (or goggles).
Skin and Body Protection Lightweight protective clothing.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information
Form Liquid
Appearance No data available
Odor No data available
Odor Threshold No data available
Boiling point / boiling range °C No data available °F No data available
Melting point / melting range °C No data available °F No data available
flash point °C No data available °F No data available
Autoignition Temperature °C No data available °F No data available
Evaporation rate No data available
Flammability (solid, gas) No data available
Oxidizing properties No data available
Water solubility No data available
Upper explosion limit No data available
Lower explosion limit No data available
Partition coefficient:
n-octanol/water No data available
Vapor Pressure No data available
vapor density No data available
Viscosity No data available
pH value 6-8



Safety Data Sheet

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Possibility of hazardous reactions	Hazardous reaction has not been reported
Hazardous decomposition products	None under normal use conditions.
Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	No toxicology information is available.
Principle Routes of Exposure	
Potential Health Effects	
eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

13. DISPOSAL CONSIDERATIONS

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA	
Proper Shipping Name	No dangerous good in sense of these transport regulations
Hazard Class	None
Subsidiary class	None
Packing group	None
UN-No	None
Environmental hazards	None

15. REGULATORY INFORMATION

US Federal Regulations
SARA 313
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.
US State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals.
WHMIS Hazard Class
Non-controlled
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. GeneDireX, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.