



# Material Safety Data Sheet

## DMEM/F-12

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

Preparation Name: DMEM/F-12

Catalogue number of the product: CC115-0500

Use of the preparation:

For laboratory use.

Company identification:

GeneDireX, Inc.

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

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

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

### 3. HAZARDS IDENTIFICATION

GHS - Classification

Signal Word None

Health hazards Not classified

Hazard Statements 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

### 4. FIRST-AID MEASURES

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.

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.



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## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
Special protective equipment for firefighters	Standard procedure for chemical fires.
Specific hazards arising from the chemical	Not known

## 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 measures required. See Section 12 for more information.

Additional information:  
No dangerous substances are released.  
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	



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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

## 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



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## 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.