

World Headquarters
Hach Company
P.O.Box 389
Loveland, CO USA 80539
(970) 669-3050

MSDS No: M00579

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: m-Endo Broth Ampules
Catalog Number: 2373550

Hach Company
P.O.Box 389
Loveland, CO USA 80539
(970) 669-3050

Emergency Telephone Numbers:
(Medical and Transportation)
(303) 623-5716 24 Hour Service
(515)232-2533 8am - 4pm CST

MSDS Number: M00579
Chemical Name:
CAS Number:
Additional CAS No. (for hydrated forms): Not applicable
Chemical Formula:
Chemical Family:
Intended Use:

2. HAZARDS IDENTIFICATION

This mixture is not classified as hazardous per GHS (UN publication ST/SG/AC.10/36/Add.3)

GHS Classification:
Hazard categories: Not applicable
GHS Label Elements:
Not applicable

Hazard statements: Not applicable
Precautionary statements: Not applicable

HMIS:
Health: 0
Flammability:
Reactivity:
Protective Equipment:

NFPA:
Health:
Flammability:
Reactivity:
Symbol:
WHMIS Hazard Classification: Not applicable
WHMIS Symbols: Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components according to GHS:

Sodium Chloride

CAS Number: 7647-14-5
Chemical Formula: NaCl
GHS Classification: Acute Tox. 5-Orl, H303
Percent Range: < 0.5
Percent Range Units: weight / weight

PEL: 15 mg/m³ as total dust; 5 mg/m³ as respirable dust
TLV: 10 mg/m³ as inhalable dust; 3 mg/m³ as respirable dust

WHMIS Symbols: Other Toxic Effects

Potassium Phosphate, Monobasic

CAS Number: 7778-77-0

Chemical Formula: KH₂PO₄

GHS Classification: Acute Tox. 4 - Orl, H302; Eye Irrit. 2, H319

Percent Range: <0.2

Percent Range Units: weight / weight

PEL: 15 mg/m³ as total dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable fraction; 3 mg/m³ as respirable fraction

WHMIS Symbols: Not applicable

Sodium Sulfite

CAS Number: 7757-83-7

Chemical Formula: Na₂SO₃

GHS Classification: Acute Tox. 5 -Orl, H303; Acute Tox. 5 -Derm, H313; Acute Tox. 5 -Inh, H333; Aquatic Acute 3, H402;

Percent Range: <0.2

Percent Range Units: weight / weight

PEL: 15 mg/m³ as inhalable dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust

WHMIS Symbols: Other Toxic Effects

Basic Fuchsin

CAS Number:

Chemical Formula: C₁₉H₁₇N₃

GHS Classification:

Percent Range: < 0.1

Percent Range Units: weight / weight

PEL: 15 mg/m³ as inhalable dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust; 3 mg/m³ as respirable dust

WHMIS Symbols: Other Toxic Effects

Sodium Lauryl Sulfate

CAS Number: 151-21-3

Chemical Formula: C₁₂H₂₆O₄S·Na

GHS Classification: Flam. Sol. 2, H228; Acut. Tox 3 der, H311; Acut. Tox 4 orl, H302; Skin Irrit. 2 H315; Eye Irrit. 2 H319; Muta. 2 H341; Rep 2, H361d; Aqua. Chron. 2, H411

Percent Range: < 0.01

Percent Range Units: weight / weight

PEL: 15 mg/m³ as total dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust; 3 mg/m³ as respirable dust

WHMIS Symbols: Acute Poison

Sodium Deoxycholate

CAS Number: 302-95-4

Chemical Formula: C₂₄H₃₉O₄Na

GHS Classification:

Percent Range: < 0.01

Percent Range Units: weight / weight

PEL: 15 mg/m³ as inhalable dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust; 3 mg/m³ as respirable dust

WHMIS Symbols: Not applicable

Hazardous Components according to GHS: No

Demineralized Water

CAS Number: 7732-18-5

Chemical Formula: H₂O

GHS Classification: Not a dangerous substance according to GHS.

Percent Range: > 90.0

Percent Range Units: weight / weight

PEL: Not established

TLV: Not established

WHMIS Symbols: Not applicable

Lactose

CAS Number: 63-42-3

Chemical Formula: C₁₂H₂₂O₁₁

GHS Classification: Not applicable

Percent Range: <1.5

Percent Range Units: weight / weight

PEL: 15 mg/m³ as inhalable dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust; 3 mg/m³ as respirable dust

WHMIS Symbols: Not applicable

Bacto Peptone

CAS Number: 73049-73-7

Chemical Formula: Not applicable

GHS Classification: Non Hazardous

Percent Range: < 0.5

Percent Range Units: weight / weight

PEL: 15 mg/m³ as inhalable dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust; 3 mg/m³ as respirable dust

WHMIS Symbols: Not applicable

Casitone

CAS Number:

Chemical Formula: Not applicable

GHS Classification:

Percent Range: < 0.5

Percent Range Units: weight / weight

PEL: 15 mg/m³ as inhalable dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust; 3 mg/m³ as respirable dust

WHMIS Symbols: Not applicable

Potassium Phosphate, Dibasic

CAS Number: 7758-11-4

Chemical Formula: K₂HPO₄

GHS Classification: Acute Tox. 5-Oral, H303

Percent Range: < 0.5

Percent Range Units: weight / weight

PEL: 15 mg/m³ as inhalable dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust

WHMIS Symbols: Not applicable

Yeast Extract

CAS Number: 8013-01-2

Chemical Formula: Not applicable

GHS Classification: Not hazardous

Percent Range: <0.2

Percent Range Units: weight / weight

PEL: 15 mg/m³ as inhalable dust; 5 mg/m³ as respirable dust
TLV: 10 mg/m³ as inhalable dust

WHMIS Symbols: Not applicable

4. FIRST AID MEASURES

General Information: In the event of exposure, show this Material Safety Data Sheet and label (where possible) to a doctor.

Advice to doctor: Treat symptomatically.

Eye Contact:

Skin Contact (First Aid):

Inhalation:

Ingestion (First Aid):

5. FIRE FIGHTING MEASURES

Flammable Properties: Material will not burn.

Fire Fighting Instruction:

Extinguishing Media:

Extinguishing Media NOT To Be Used:

Fire / Explosion Hazards:

Hazardous Combustion Products: None reported

6. ACCIDENTAL RELEASE MEASURES

Spill Response Notice:

Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance.

Containment Technique:

Clean-up Technique:

Evacuation Procedure:

DOT Emergency Response Guide Number:

7. HANDLING AND STORAGE

Handling:

Storage:

Flammability Class: Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Personal Protective Equipment:

Eye Protection:

Skin Protection: disposable latex gloves

Inhalation Protection:

Precautionary Measures:

TLV:

PEL:

For Occupational Exposure Limits (OEL) for ingredients, see section 3 - Composition/Information on Ingredients.:

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical State:

Molecular Weight:

Odor:

Odor Threshold:
pH:
Metal Corrosivity:
 Corrosivity Classification:
 Steel:
 Aluminum:
Specific Gravity/ Relative Density (water = 1; air =1): 1.14
Viscosity:
Solubility:
 Water:
 Acid:
 Other:
Partition Coefficient (n-octanol / water):
Coefficient of Water / Oil: Not applicable
Melting Point:
Decomposition Temperature: Not determined
Boiling Point:
Vapor Pressure:
Vapor Density (air = 1):
Evaporation Rate (water = 1):
Volatile Organic Compounds Content: Not applicable
Flammable Properties: Material will not burn.
Flash Point:
 Method:
Flammability Limits:
 Lower Explosion Limits:
 Upper Explosion Limits:
Autoignition Temperature:
Explosive Properties:
Oxidizing Properties:
Reactivity Properties:
Gas under Pressure:
 Not classified according to GHS criteria.

10. STABILITY AND REACTIVITY

Chemical Stability:
Mechanical Impact:
Static Discharge:
Reactivity / Incompatibility:
Hazardous Decomposition:
Conditions to Avoid:

11. TOXICOLOGICAL INFORMATION

Toxicokinetics, Metabolism and Distribution: No health effects are anticipated in normal use.
Toxicologically Synergistic Products:
Acute Toxicity: Based on classification principles, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure (STOT-SE): Based on classification principles, the classification criteria are not met.
Specific Target Organ Toxicity - Repeat Exposure (STOT-RE): Based on classification principles, the classification criteria are not met.
Skin Corrosion/Irritation: Based on classification principles, the classification criteria are not met.
Eye Damage: Based on classification principles, the classification criteria are not met.
Sensitization: Based on classification principles, the classification criteria are not met.
CMR Effects/Properties (carcinogenic, mutagenic or toxic to reproduction): No germ cell mutagenicity, carcinogenicity or reproductive toxicity data found.
 Not applicable
Symptoms/Effects:
 Ingestion: Practically non-toxic
 Inhalation: No effects anticipated

Skin Absorption: No effects anticipated

Chronic Effects:

Medical Conditions Aggravated:

12. ECOLOGICAL INFORMATION

Product Ecological Information:

No ecological data available for this product.

Ingredient Ecological Information: Sodium lauryl sulfate: Artemia salina 48 hr LC50 3.15 -3.8 mg/ L.

CEPA Statement: Water, Hydrochloric Acid, Potassium Phosphate Mono, Sodium Chloride, Sodium Hydroxide, Sodium Sulfite, Ethanol: Persistent. Not bioaccumulative. Not inherently toxic to aquatic organisms.

CEPA Statement: Sodium Lauryl Sulfate: Not persistent. Not bioaccumulative. Inherently toxic to aquatic organisms.

CEPA Statement: Lactose, Basic Fuchin, Sodium Deoxycholate: Not persistent. Not bioaccumulative. Not inherently toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

EPA Waste ID Number:

Special Instructions (Disposal):

Empty Containers:

NOTICE (Disposal):

14. TRANSPORT INFORMATION

D.O.T.:

D.O.T. Proper Shipping Name:

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Hazard Class:

Subsidiary Risk:

ID Number:

Packing Group:

T.D.G.:

Proper Shipping Name: Not Currently Regulated

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Hazard Class: NA

Subsidiary Risk: NA

UN Number/PIN: NA

Packing Group: NA

I.C.A.O.:

I.C.A.O. Proper Shipping Name:

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Hazard Class:

Subsidiary Risk:

ID Number:

Packing Group:

I.M.O.:

Proper Shipping Name:

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Hazard Class:

Subsidiary Risk:

ID Number:

Packing Group:

Additional Information: There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is NOT in a set or kit, the classification given above applies. If the item IS part of a set or kit, the classification would change to the following: UN3316 Chemical Kit, Class 9, PG II or III. If the item is not regulated, the Chemical Kit classification does not apply.

15. REGULATORY INFORMATION

U.S. Federal Regulations:

O.S.H.A.: This product does not meet the criteria for a hazardous substance as defined in the Hazard Communication Standard. (29 CFR 1910.1200)

E.P.A.:

S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370): This product is not hazardous under 29 CFR.1910.1200 and therefore is not covered by Title III under SARA.

S.A.R.A. Title III Section 313 (40 CFR 372): This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of SARA.

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302 (EHS) TPQ (40 CFR 355): Not applicable

304 CERCLA RQ (40 CFR 302.4): Not applicable

304 EHS RQ (40 CFR 355): Not applicable

Clean Water Act (40 CFR 116.4): Not applicable

RCRA: Contains no RCRA regulated substances.

State Regulations:

California Prop. 65: No Prop. 65 listed chemicals are present in this product.

Identification of Prop. 65 Ingredient(s): None

California Perchlorate Rule CCR Title 22 Chap 33: Not applicable

Trade Secret Registry:

National Inventories:

U.S. Inventory Status:

CAS Number:

Canadian Inventory Status:

EEC Inventory Status:

Australian Inventory (AICS) Status:

New Zealand Inventory (NZIoC) Status:

Korean Inventory (KECI) Status: All components of this product are either listed, listed as the anhydrous compound or exempt.

Japan (ENCs) Inventory Status: All components either listed or exempt.

China (PRC) Inventory (MEP) Status: All components either listed or exempt.

16. OTHER INFORMATION

References:

Complete Text of H phrases referred to in Section 3: Not applicable

Revision Summary: Substantial revision to comply with EU Reg 1272/2008, Reg 1907/2006 and UN GHS (ST/SG/AC.10/36/Add.3).

Date of MSDS Preparation:

Day: 25

Month: February

Year: 2015

MSDS Prepared: MSDS prepared by Product Compliance Department extension 3350

CCOHS Evaluation Note: It is offered under exemption from WHMIS labeling as specified in the Controlled Products Regulation (CPR) Section 17. It is offered under the interim policy that was established by Health Canada permitting use of GHS-formatted safety data sheets in Canada prior to revision of CPR to GHS. This product has been classified and labeled in accordance with the requirements of GHS (ST/SG/AC.10/36/Add.3). This SDS has been prepared in accordance with the requirements of GHS (ST/SG/AC.10/36/Add.3).

Legend:

NA - Not Applicable	w/w - weight/weight
ND - Not Determined	w/v - weight/volume
NV - Not Available	v/v - volume/volume

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

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