






# MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
<b>Product Name or Identity:</b> DM413- Ethyl Violet Azide Broth (E.V.A. Broth)			
<b>Manufacturer's Name &amp; Address</b>	Micromaster Laboratories Private Limited Unit 38/39, Kalpataru Industrial Estate, Off Ghodbunder Road, Nr. 'R-Mall' Thane (W)-400607. M.S. INDIA.	<b>Emergency Phone No.:</b>	+91 22 25895505/ 25894681 /25894760
<b>Reference:</b>	According to Regulation (EC) No.1907/2006	<b>Email:</b>	micromaster@micromasterlab.com
Section 2. Composition / Information on Hazardous Ingredients			
Ingredients	Grams/Litre	Ingredients	Grams/Litre
Tryptose	20.00	Dextrose	5.00
Dipotassium phosphate	2.70	Sodium chloride	5.00
Monopotassium phosphate	2.70	*Sodium azide	0.40
Ethyl violet	0.00083		
<b>Final pH (at 25°C) 7.0±0.2</b>			
* Irritant material			
	Sodium azide CAS No. : 26628-22-8 R : 28-32-50/53 RTECS : VY 8050000	S : 28-45-60-61	
Section 3. Health Hazard Identification			
	Hazard : The substances are very hazardous to health when breathed, swallowed or in contact with the skin and may even lead to death. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage. Caution : Avoid contact with the human body, and immediately consult a doctor in cases of malaise.		
	Hazard : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term. Caution : Avoid release to the environment.		
Section 4. First Aid Measures			
<b>Description of first aid measures</b>			
<b>General advice</b> Consult a physician. Show this safety data sheet to the doctor in attendance.			
<b>If inhaled</b> In case of swallowing, wash out mouth with water provided person is conscious.			
<b>In case of skin contact</b> flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes			
<b>In case of eye contact</b> Wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eyelids with fingers. In serious conditions, call a physician, show the container or label.			
Section 5. Fire and Explosion Hazard Data			



## MATERIAL SAFETY DATA SHEET

### Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special fire-fighting procedures. Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### Advice for firefighters

Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Section 6. Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### Section 7. Handling and Storage

**Handling** - Refer to Section 8

**Storage** - Store below 30°C

### Section 8. Exposure Controls / Personal Protection

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other Protective clothing. Mechanical exhaust required.

### Section 9. Physical and Chemical Properties

Appearance : Homogeneous powder

Colour : Yellow

### Section 10. Stability and Reactivity

**Stability** : Product is stable if stored as per the conditions specified under storage of Section No. 7. Product loses its potency/performance above 45°C.

**Conditions to avoid:** Heat and light.

Hazardous polymerization will not occur.

### Section 11. Toxicological Information

Acute Effects: May be harmful if swallowed.

Exposure can cause: Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause Allergic reactions in certain sensitive individuals.

RTECS No. : VY 8050000

For complete information RTECS may be referred.

### Section 12. Ecological Information

Data not available

### Section 13. Disposal Considerations

On completion of work all used or unusable preparations of this product and derivatives thereof are to be Disposed off by autoclaving and/or by incineration. Dispose off waste in accordance with all applicable Federal, State and local laws.

### Section 14. Transport Information

UN No. : Not applicable.

# MATERIAL SAFETY DATA SHEET

## Section 15. Regulatory Information

Risk Phrases : Very toxic if swallowed

Risk Phrases : Contact with acids liberates very toxic gas

Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases : After contact with skin, wash immediately with plenty of soap-suds.

1 water

2 polyethylene glycol 400

3 water and soap

4 ethanol

5 copper sulfate solution 2% 6 polyethylene glycol/ethanol (1:1)

Safety Phrases : This material and its container must be disposed of as hazardous waste. Safety Phrases : Avoid release to the environment. Refer to special instructions/Safety data sheets.

Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)



Toxic

Significance of signs : The substances are very hazardous to health when breathed, swallowed or in contact with the skin and may even lead to death. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.



Dangerous for the environment

Significance of signs : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term.

## Section 16. Other Information

### WARRANTY :

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Micromaster Laboratories shall not be held liable for any damage resulting from handling or from contact with the above Product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute no warranty.

### DISCLAIMER:

For Laboratory use only. Not for drug, household or other uses.

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