






MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: DM1357-Synthetic Broth, AOAC (Wright & Mundy Broth)			
Manufacturer's Name & Address	Micromaster Laboratories Private Limited Unit 38/39, Kalpataru Industrial Estate, Off Ghodbunder Road, Nr. 'R-Mall' Thane (W)-400607. M.S. INDIA.	Emergency Phone No.:	+91 22 25895505/25894681/2 5894760
Reference:	According to Regulation (EC) No.1907/2006	Email:	micromaster@micromasterlab.com
Section 2. Composition / Information on Hazardous Ingredients			
Ingredients	Grams/Litre	Ingredients	Grams/Litre
L-Cystine	0.05	DL-Methionine	0.37
L-Arginine	0.40	DL-Histidine	0.30
L-Lysine	0.85	*L-Tyrosine	0.21
DL-Threonine	0.50	DL-Valine	1.00
L-Leucine	0.80	DL-Isoleucine	0.44
Amino acetic acid	0.06	DL Serine	0.61
DL-Alanine	0.43	L-Glutamic acid	1.30
L-Aspartic acid	0.45	DL-Phenylalanine	0.26
DL-Tryptophan	0.05	L-Proline	0.05
Sodium chloride	3.00	*Potassium chloride	0.20
Magnesium sulphate anhydrous	0.05	Monopotassium phosphate	1.50
Disodium phosphate	4.00	Thiamine hydrochloride	0.01
*Nicotinamide	0.01		
Final pH (at 25°C) 7.1±0.2			
* Irritant material			
	L-Tyrosine CAS No. : 60-18-4 R : 36/37/38 S : 26-36 RTECS : YP 2275600		
	Potassium chloride CAS No. : 7447-40-7 R : 36/37/38 S : 26-36 RTECS : TS 8050000		
	Nicotinamide CAS No. : 98-92-0 R : 36/37/38 S : 26-36 RTECS : QS 3675000		



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Section 3. Health Hazard Identification



Hazard : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.

Caution : Do not breathe vapours and avoid contact with skin and eyes.

Section 4. First Aid Measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

In case of swallowing, wash out mouth with water provided person is conscious.

In case of skin contact

flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes

In case of eye contact

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

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 fire fighters

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 : White to cream

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.

Decomposition products: if product is decomposed toxic fumes of carbon monoxide and carbon dioxide may



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evolve. Hazardous polymerization will not occur.
Section 11. Toxicological Information
Acute Effects : May be harmful if swallowed. Exposure can cause : Stomach pains, vomiting, diarrhea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. RTECS No. : NO 85 10000 BP 68250 00 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.
Section 15. Regulatory Information
Risk Phrases : Irritating to eyes, respiratory system and skin Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Safety Phrases : Wear suitable protective clothing
 Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.
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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