







MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: DM949-Richard's Synthetic Agar			
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 25895505/25894681/25894760
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
* Potassium nitrate	10.00	Monopotassiumdihydrogen Phosphate	5.00
Magnesium sulphate	2.50	Sucrose	50.00
* Iron(III) Chloride	0.02	Agar	15.00
* Oxidising / Corrosive material			
	Potassium nitrate CAS No. : 7757-79-1 R : 8 S : 17-24/25 RTECS : TT 3700000		
	Iron(III) Chloride CAS No. : 7705-08-0 R : 22-34 S : 26-27-36/37/39 RTECS : LJ 9100000		
Section 3. Health Hazard Identification			
	Hazard : Living tissue as well as equipment are destroyed on contact with these chemicals. Caution : Do not breathe vapours and avoid contact with skin, eyes and clothing.		
	Hazard : Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting more difficult. Caution : Keep away from combustible material.		
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			



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 respiratory, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

Section 9. Physical and Chemical Properties

Appearance : Homogeneous powder

Colour : Light 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.

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

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. : 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 of by autoclaving and/or by incineration. Dispose of waste in accordance with all applicable Federal, State and local laws.

Section 14. Transport Information



MATERIAL SAFETY DATA SHEET

UN No. : Not applicable.

Section 15. Regulatory Information

Risk Phrases : Causes burns

Risk Phrases : Contact with combustible material may cause fire.

Risk Phrases : Harmful if swallowed.

Safety Phrases : Keep away from combustible material

Safety Phrases : Take off immediately all contaminated clothing

Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Safety Phrases: Wear suitable protective clothing and gloves

Safety Phrases: Avoid contact with skin and eyes



Significance of signs : Living tissue as well as equipment are destroyed on contact with these chemicals.



Significance of signs : Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting more difficult.

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.

DM949MSDS, QAD/FR/030, Rev.00/01.01.2018