

















MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: DM672-Zobell Marine Broth 2216			
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
Peptic digest of animal tissue	5.00	Yeast extract	1.00
Ferric citrate	0.10	Sodium chloride	19.45
*Magnesium chloride	8.80	Sodium sulphate	3.24
*Calcium chloride	1.80	*Potassium chloride	0.55
Sodium bicarbonate	0.16	*Potassium bromide	0.08
Strontium chloride	0.034	*Boric acid	0.022
*Sodium silicate	0.004	*Sodium fluoride	0.0024
*Ammonium nitrate	0.0016	Disodium phosphate	0.008
Final pH (at 25°C) 7.6±0.2			
* Harmful / Irritant / Corrosive / Oxidising material			
	Magnesium chloride CAS No. : 7786-30-3 R : 36/37/38 S : 26-36 RTECS : OM 2800000		
	Calcium chloride CAS No. : 10043-52-4 R : 36 S : 22-24 RTECS : EV 9800000		
	Potassium chloride CAS No. : 7447-40-7 R : 36/37/38 S : 26-36 RTECS : TS 8050000		
	Potassium bromide CAS No. : 7758-02-3 R : 22-36/37/38 S : 22-26-36 RTECS : TS 7650000		
	Boric acid CAS No. : 10043-35-3 R : 22-36/37/38 S : 22-26-36/37-38-45 RTECS : ED 4550000		

MATERIAL SAFETY DATA SHEET

	Sodium silicate CAS No. : 1344-09-8 R : 35 S : 26-36/37/39-45
	Sodium fluoride CAS No. : 7681-49-4 R : 25-32-36/38 S : 22-36-45 RTECS : WB 0350000
 	Ammonium nitrate CAS No. : 6484-52-2 R : 8-36/37/38 S : 15-17-26-36 RTECS : BR 9050000
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.
	Hazard : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage. Caution : Avoid contact with the human body, including inhalation of the vapours and in cases of malaise consult a doctor.
	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 : 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 : 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	
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	



MATERIAL SAFETY DATA SHEET

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 : Cream to 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, 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 of by autoclaving and/or by incineration. Dispose of 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



MATERIAL SAFETY DATA SHEET

Risk Phrases : Irritating to eyes
Risk Phrases : Harmful if swallowed
Risk Phrases : Harmful in contact with skin and if swallowed
Risk Phrases : Causes severe burns
Risk Phrases : Toxic is swallowed
Risk Phrases : Contact with acids liberates very toxic gas
Risk Phrases : Irritating to eyes and skin
Risk Phrases : Contact with combustible material may cause fire
Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Safety Phrases : Do not breathe dust
Safety Phrases : Avoid contact with skin
Safety Phrases : Wear suitable protective clothing
Safety Phrases : Wear suitable protective clothing and gloves
Safety Phrases : In case of insufficient ventilation, wear suitable, respiratory equipment
Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection
Safety Phrases : Keep away from heat
Safety Phrases: Keep away from combustible material



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



Significans of signs : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.



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

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.

DM672MSDS QAD/FR/030, Rev.00/01.01.2018