



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product		Selenite F Broth (Twin Pack)							
Code No.		DM 1052M							
Section 1	Chemical Identification								
	Code No.	:	DM 1052M						
	Name of the Product	:	Selenite F Broth (Twin Pack)						
	Produced by	:	Central Drug House Pvt. Ltd.						
	Address	:	7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)						
	Tel. No.	:	00 91 11 49404040						
Section 2	Hazards Identification								
	2.1 Classification of the substance or mixture CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP] Acute toxicity, Oral, (Category 3), H301 Acute toxicity, Inhaled, (Category 3), H331 Specific target organ toxicity, repeated exposure, (Category 2), H373 Hazardous to the aquatic environment, long term hazard, (Category 1), H410 2.2 Label elements Labeling according to Regulation (EC) No.1272/2008    Pictogram Signal word Danger Hazard Statement(s) H301 Toxic if swallowed H331 Toxic if inhaled H373 May cause damage to organs through prolonged or repeated exposure H410 Very toxic to aquatic life with long lasting effects Precautionary Statement(s) P309+P310 If exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. P273 Avoid release to the environment. 2.3 Other Hazards None								
Section 3	Composition/Information On Ingredients								
	3.1 Mixture <table><tr><th>Component</th><th>Classification</th><th>Concentration</th></tr><tr><td colspan="3">Sodium hydrogen selenite (Part B)</td></tr></table>			Component	Classification	Concentration	Sodium hydrogen selenite (Part B)		
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Sodium hydrogen selenite (Part B)									



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Bases / Media Supplements

Material Safety Data Sheet

		CAS No. : EC No. : Index-No :	7782-82-3 231-966-3 034-002-00-8	As Per EC Regulation 1272/2008 Acute Tox.oral. 3; Acute Tox. inhal. 3; STOT RE 2; Aquatic Chronic 1 H301; H331; H373; H410	>=90.0 - <=100%
	Refer Section 16 for complete statement of H codes and its classification				
Section 4	First - Aid Measures				
	4.1	Description of first aid measures General advice Consult a physician. Show this safety data sheet to the doctor in attendance. If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact Wash off with soap and plenty of water. Consult a physician. In case of eye contact Rinse immediately with plenty of water for at least 15 minutes. Consult a physician. If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. 4.2 Most important symptoms and effects, both acute and delayed No data available. 4.3 Indication of immediate medical attention and special treatment needed No data available			
Section 5	Fire Fighting Measures				
	5.1	Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media No data available. 5.2 Special hazards arising from the substance or mixture Carbon oxides, Sodium oxides, Selenium oxides, Oxides of phosphorus 5.3 Precautions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary 5.4 Further information No data available			
Section 6	Accidental Release Measures				
	6.1	Personal precautions, protective equipment and emergency procedures Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. 6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. 6.3 Methods and materials for containment and cleaning up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. 6.4 Reference to other sections For disposal see Section 13.			



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Section 7	Handling and Storage	
	7.1 Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.
	7.2 Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended Storage Temperature : On receipt store between 10-30°C
	7.3 Specific end uses	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
Section 8	Exposure Controls / Personal Protection	
	8.1 Control parameters	Components with workplace control parameters
	8.2 Exposure controls	Appropriate engineering controls Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products. Personal protective equipment Hygiene measure Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product. Eye/face protection Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Body protection Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Environment exposure controls Do not empty into drains.
	Physical and Chemical Properties	
Section 9	9.1 Information on basic physical and chemical properties	
	Appearance	Part A : White to cream homogeneous free flowing powder Part B : White to cream homogeneous free flowing powder
	Odour	No data available
	Odour Threshold	No data available
	pH	6.80 - 7.20
	Melting/freezing point	No data available
	Initial boiling point and boiling range	No data available



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

	Flash point No data available Flammability (Solid, gas) No data available Vapour pressure No data available Relative density No data available Water Solubility No data available Partition coefficient: n-octanol/water No data available Autoignition Temperature No data available Viscosity No data available Explosive properties No data available Oxidizing properties No data available Vapour density No data available Thermal decomposition No data available 9.2 Other safety information No data available
Section 10	Stability and Reactivity
	10.1 Reactivity No data available 10.2 Chemical stability No data available 10.3 Possibility of hazardous reactions No data available 10.4 Conditions to avoid No data available 10.5 Incompatible materials Strong oxidizing agents 10.6 Hazardous decomposition products Refer Section 5.2
Section 11	Toxicological Information
	11.1 Information on toxicological effects Acute toxicity No data available Skin corrosion/irritation No data available Serious eye damage/eye irritation No data available Respiratory or skin sensitisation No data available Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. Reproductive toxicity No data available Specific target organ toxicity- single exposure No data available Aspiration hazard No data available Potential Health Effects Inhalation REFER SECTION 2 Skin



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

	REFER SECTION 2 Eye REFER SECTION 2 Ingestion REFER SECTION 2 Additional Information RTECS : no data available 11.2 Components Sodium Hydrogen Selenite (Sodium Biselenite) <i>Acute oral toxicity</i> LD50 Rat: 2.5 mg/kg (As per RTECS) LD50 Rabbit: 8.6 mg/kg (As per RTECS) <i>Acute dermal toxicity</i> No data available <i>Acute inhalation toxicity</i> Toxic if inhaled <i>Specific Target Organ Toxicity-Single exposure</i> No data available <i>Specific Target Organ Toxicity - Repeated exposure</i> May cause damage to organs through prolonged and repeated exposures. Effects Respiratory system, lungs, Skin, central nervous system Central vascular system, Gastrointestinal tract. Additional information: RTECS number: VS7500000 No data available. <i>Reproductive toxicity</i> No data available. <i>Teratogenicity</i> No data available. Additional information: RTECS: SP5740000
Section 12	Ecological Information
	12.1 Toxicity No data available Components: Eosin Y <i>Toxicity</i> No data available Components: Sodium Hydrogen Selenite (Sodium Biselenite) <i>Toxicity to fish</i> Oncorhynchus mykiss (rainbow trout)LC50: 8.1 mg/l; 96h



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

	<i>Toxicity to Daphnia</i> Daphnia magna (Water flea)EC50: 7.9 mg/l; 48h <i>Toxicity to Algae</i> Pseudokirchneriella subcapitata(green algae)IC50:96.6 mg/l;72h 12.2 Persistence and degradability No data available 12.3 Bioaccumulative potential No data available 12.4 Mobility in soil No data available 12.5 PBT and vPvB assessment This preparation contains no substance considered to be persistent,bioaccumulating or toxic (PBT) at levels of 0.1% or higher. 12.6 Other adverse effects No data available
Section 13	Disposal Considerations
	13.1 Waste treatments methods Product Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material. 13.2 Contaminated packaging Dispose of as unused product.
Section 14	Transport Information
	14.1 UN-No ADNR : 2630 ADR : 2630 IATA_C : 2630 IATA_P : 2630 IMDG : 2630 RID : 2630 14.2 UN proper shipping name ADNR : Selenate or Selenite ADR : Selenate or Selenite IATA_C : Selenate or Selenite IATA_P : Selenate or Selenite IMDG : Selenate or Selenite RID : Selenate or Selenite 14.3 Transport hazard class (es) ADNR : 6.1 ADR : 6.1 IATA_C : 6.1 IATA_P : 6.1 IMDG : 6.1 RID : 6.1 14.4 Packaging group ADNR : I ADR : I IATA_C : I IATA_P : I IMDG : I RID : I 14.5 Environmental hazards ADNR : no ADR : no IMDG : Marine pollutant No IATA_C : no IATA_P : no RID : no 14.6 Special precautions for use No data available
Section 15	Regulatory Information
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. 15.1 Safety health and environment regulations/legislation specific for the substance or mixture No data available 15.2 Chemical Safety Assessment No data available



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Section 16	Other Information																
	Text of H codes and classification mentioned in section 3 <table><tr><td>H301</td><td>Toxic if swallowed</td></tr><tr><td>H331</td><td>Toxic if inhaled</td></tr><tr><td>H373</td><td>May cause damage to organs through prolonged or repeated exposure</td></tr><tr><td>H410</td><td>Very toxic to aquatic life with long lasting effects</td></tr><tr><td>Acute Tox. inhal.3</td><td>Acute toxicity, inhaled, Category 3</td></tr><tr><td>Acute Tox.oral.3</td><td>Acute toxicity, oral, Category 3</td></tr><tr><td>Aquatic Chronic 1</td><td>Hazardous to the aquatic environment, long term hazard, Category 1</td></tr><tr><td>STOT RE 2</td><td>Specific target organ toxicity, repeated exposure, Category 2</td></tr></table> Further Information The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.	H301	Toxic if swallowed	H331	Toxic if inhaled	H373	May cause damage to organs through prolonged or repeated exposure	H410	Very toxic to aquatic life with long lasting effects	Acute Tox. inhal.3	Acute toxicity, inhaled, Category 3	Acute Tox.oral.3	Acute toxicity, oral, Category 3	Aquatic Chronic 1	Hazardous to the aquatic environment, long term hazard, Category 1	STOT RE 2	Specific target organ toxicity, repeated exposure, Category 2
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