






Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product		CATC Supplement
Code No.		MS 2235
Section 1	Chemical Identification	
	Code No.	: MS 2235
	Name of the Product	: CATC Supplement
	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]	
	Skin corrosion or irritation, (Category 2), H315	
	Serious eye damage or eye irritation, (Category 2A), H319	
	Acute toxicity, Oral, (Category 2), H300	
	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)	
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H300	Fatal if swallowed
	H410	Very toxic to aquatic life with long lasting effects
	Precautionary Statement(s)	
	P264	Wash hands thoroughly after handling. Wash skin thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P273	Avoid release to the environment.
	P302 + P352	IF ON SKIN: wash with plenty of soap and water.
	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337 + P313	IF eye irritation persists: Get medical advice/attention.
	P332 + P313	IF SKIN irritation occurs: Get medical advice/attention
	2.3 Other Hazards	
	None	



Section 3	<p>Composition/Information On Ingredients</p> <p>3.1 Mixture</p> <table border="1" data-bbox="279 436 1465 654"> <thead> <tr> <th>Component</th> <th>Classification</th> <th>Concentration</th> </tr> </thead> <tbody> <tr> <td>Sodium carbonate</td> <td></td> <td></td> </tr> <tr> <td>CAS No. : 497-19-8 EC No. : 207-838-8 Index-No : 011-005-00-2</td> <td>As Per EC Regulation 1272/2008 Eye Irrit. 2A H319</td> <td>>=80 - <=90%</td> </tr> </tbody> </table> <table border="1" data-bbox="303 712 1455 929"> <thead> <tr> <th>Component</th> <th>Component</th> <th>Concentration</th> </tr> </thead> <tbody> <tr> <td>2,3,5 Triphenyltetrazolium chloride</td> <td></td> <td></td> </tr> <tr> <td>CAS No. : 298-96-4 EC No. : 206-071-6</td> <td>As Per EC Regulation 1272/2008 Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335</td> <td>>=1 - <=10%</td> </tr> </tbody> </table> <table border="1" data-bbox="303 987 1442 1317"> <thead> <tr> <th>Component</th> <th>Component</th> <th>Concentration</th> </tr> </thead> <tbody> <tr> <td>Sodium azide</td> <td></td> <td></td> </tr> <tr> <td>CAS No. : 26628-22-8 EC No. : 247-852-1</td> <td>As Per EC Regulation 1272/2008 Acute Tox.oral. 2; Acute Tox. 1; Aquatic Acute 1; Aquatic Chronic 1 H300; H310; H400; H410</td> <td>>=10 - <=20%</td> </tr> </tbody> </table> <p>Refer Section 16 for complete statement of H codes and its classification</p>	Component	Classification	Concentration	Sodium carbonate			CAS No. : 497-19-8 EC No. : 207-838-8 Index-No : 011-005-00-2	As Per EC Regulation 1272/2008 Eye Irrit. 2A H319	>=80 - <=90%	Component	Component	Concentration	2,3,5 Triphenyltetrazolium chloride			CAS No. : 298-96-4 EC No. : 206-071-6	As Per EC Regulation 1272/2008 Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335	>=1 - <=10%	Component	Component	Concentration	Sodium azide			CAS No. : 26628-22-8 EC No. : 247-852-1	As Per EC Regulation 1272/2008 Acute Tox.oral. 2; Acute Tox. 1; Aquatic Acute 1; Aquatic Chronic 1 H300; H310; H400; H410	>=10 - <=20%
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Section 4	<p>First - Aid Measures</p> <p>4.1 Description of first aid measures</p> <p>General advice Consult a physician. Show this safety data sheet to the doctor in attendance.</p> <p>If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.</p> <p>In case of skin contact Wash with plenty of soap and water. Consult a physician.</p> <p>In case of eye contact Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.</p> <p>If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.</p> <p>4.2 Most important symptoms and effects, both acute and delayed No data available.</p> <p>4.3 Indication of immediate medical attention and special treatment needed No data available</p>																											



Section 5	Fire Fighting Measures
	<p>5.1 Extinguishing media <i>Suitable extinguishing media</i> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. <i>Unsuitable extinguishing media</i> No data available.</p> <p>5.2 Special hazards arising from the substance or mixture Nature of decomposition products not known.</p> <p>5.3 Precautions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary</p> <p>5.4 Further information No data available</p>
Section 6	Accidental Release Measures
	<p>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.</p> <p>6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.</p> <p>6.3 Methods and materials for containment and cleaning up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.</p> <p>6.4 Reference to other sections For disposal see Section 13.</p>
Section 7	Handling and Storage
	<p>7.1 Precautions for safe handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.</p> <p>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 2-8°C</p> <p>7.3 Specific end uses Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.</p>



Section 8	Exposure Controls / Personal Protection																																				
	<p>8.1 Control parameters Components with workplace control parameters</p> <p>8.2 Exposure controls <i>Appropriate engineering controls</i> Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.</p> <p><i>Personal protective equipment</i> <i>Hygiene measure</i> Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.</p> <p><i>Eye/face protection</i> 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).</p> <p><i>Skin protection</i> 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.</p> <p><i>Body protection</i> 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.</p> <p><i>Respiratory protection</i> 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).</p> <p><i>Environment exposure controls</i> Do not empty into drains.</p>																																				
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	<p>9.2 Other safety information No data available</p>
Section 10	<p>Stability and Reactivity</p>
	<p>10.1 Reactivity No data available</p> <p>10.2 Chemical stability No data available</p> <p>10.3 Possibility of hazardous reactions No data available</p> <p>10.4 Conditions to avoid No data available</p> <p>10.5 Incompatible materials No data available</p> <p>10.6 Hazardous decomposition products Other Decomposition products not known.</p>
Section 11	<p>Toxicological Information</p>
	<p>11.1 Information on toxicological effects</p> <p>Acute toxicity No data available</p> <p>Skin corrosion/irritation Mixture may cause skin irritation.</p> <p>Serious eye damage/eye irritation Mixture may cause eye irritation.</p> <p>Respiratory or skin sensitisation Mixture may cause skin sensitisation</p> <p>Germ cell mutagenicity No data available</p> <p>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.</p> <p>Specific target organ toxicity- single exposure No data available</p> <p>Specific target organ toxicity - repeated exposure No data available</p> <p>Aspiration hazard No data available</p> <p>Potential Health Effects</p> <p>Inhalation REFER SECTION 2</p>



	<p>Skin REFER SECTION 2</p> <p>Eyes REFER SECTION 2</p> <p>Ingestion REFER SECTION 2</p> <p>Additional Information RTECS : Not Available</p> <p>11.2 Components</p> <p>Sodium azide <i>Acute oral toxicity</i> Rat LD50: 27mg/kg (As per RTECS) <i>Acute dermal toxicity</i> LD50 Rabbit: 20mg/kg (As per RTECS)</p> <p>Additional Information: RTECS :VY8050000</p>
Section 12	Ecological Information
	<p>12.1 Toxicity</p> <p>Components:</p> <p>Sodium azide <i>Toxicity to fish</i> LC50 <i>Lepomis macrochirus</i> (Bluegil sunfish): 0.7 mg/l; 96 h <i>Toxicity to Daphnia</i> EC50 <i>Daphnia pulex</i> (Water flea): 4.2 mg/l; 48 h <i>Toxicity to algae</i> IC50 mixed culture of green algae: 272 mg/l <i>Toxicity to bacteria</i> EC50 <i>Photobacterium phosphoreum</i>: 38.5 mg/l</p> <p>12.2 Persistence and degradability No data available</p> <p>2.3 Bioaccumulative potential No data available</p> <p>2.4 Mobility in soil No data available</p> <p>12.5 PBT and vPvB assessment PBT/vPvB assessment was not conducted as chemical safety assessment is not required.</p> <p>12.6 Other adverse effects No data available</p>
Section 13	Disposal Considerations



	<p>13.1 Waste treatments methods</p> <p>Product Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.</p> <p>13.2 Contaminated packaging Dispose of as unused product.</p>
Section 14	Transport Information
	<p>14.1 UN-No ADNR : 1687 ADR : 1687 IATA_C : 1687 IATA_P : 1687 IMDG : 1687 RID : 1687</p> <p>14.2 UN proper shipping name ADNR : Sodium azide ADR : Sodium azide IATA_C : Sodium azide IATA_P : Sodium azide IMDG : Sodium azide RID : Sodium azide</p> <p>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</p> <p>14.4 Packaging group ADNR : II ADR : II IATA_C : II IATA_P : II IMDG : II RID : II</p> <p>14.5 Environmental hazards ADNR : No ADR : No IMDG : Marine pollutant No IATA_C : No IATA_P : No RID : No</p> <p>14.6 Special precautions for use No data available</p>
Section 15	Regulatory Information
	<p>This safety datasheet complies with the requirements of Regulation(EC) No. 1907/2006.</p> <p>15.1 Safety health and environment regulations/legislation specific for the substance or mixture No data available</p> <p>15.2 Chemical Safety Assessment No data available</p>
Section 16	Other Information



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

	Text of H codes and classification mentioned in section 3
H300	Fatal if swallowed
H310	Fatal in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
Acute Tox. 1	Acute toxicity, dermal, Category 1
Acute Tox.oral. 2	Acute toxicity, oral, Category 2
Aquatic Acute 1	Hazardous to the aquatic environment, acute hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, long term hazard, Category 1
Eye Irrit. 2A	Serious eye damage or eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion or irritation, Category 2
STOT SE 3	Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3
	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.