



Name of the Product	:	Nitsch Medium w/ Vitamins, Sucrose & Agar; w/o CaCl₂
Code No.	:	PT 1104
Section 1	:	Chemical Identification
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Name of the Product	:	Nitsch Medium w/ Vitamins, Sucrose & Agar;w/o CaCl ₂
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] Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.
2.2	Label elements Labeling according to Regulation (EC) No.1272/2008 Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
2.3	Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3	Composition/Information On Ingredients															
3.1	Mixture															
	<table border="1"><thead><tr><th>Component</th><th>Classification</th><th>Concentration</th></tr></thead><tbody><tr><td>Potassium nitrate</td><td></td><td></td></tr><tr><td>CAS No. : 7757-79-1</td><td>As Per EC Regulation 1272/2008</td><td>>=2 - <=5%</td></tr><tr><td>EC No. : 231-818-8</td><td>Ox. Sol. 3 H272</td><td></td></tr></tbody></table>	Component	Classification	Concentration	Potassium nitrate			CAS No. : 7757-79-1	As Per EC Regulation 1272/2008	>=2 - <=5%	EC No. : 231-818-8	Ox. Sol. 3 H272				
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	Component	Classification	Concentration
	Zinc sulphate, heptahydrate		
	CAS No. : 7446-20-0	As Per EC Regulation 1272/2008	≥0.02 - ≤0.04%
	EC No. : 231-793-3	Acute Tox.oral 4; Eye Dam. 1; Aquatic Chronic	
	Index-No : 030-006-00-9	1 H302; H318; H410	
	For the full text of the H-Statements and classification mentioned in this Section, see Section 1		
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	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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	The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.	
	4.3 Indication of immediate medical attention and special treatment needed	Treat symptomatically.	
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	Magnesium oxides, Sulphur oxides, Sodium oxides, Iron oxides, Calcium Oxide, Cobalt oxides, Copper oxides, Manganese oxides,, Molybdenum oxides, Oxides of Phosphorus, Potassium oxides, Zinc oxides.	
	5.3 Precautions for fire-fighters	Cool closed containers exposed to fire with water spray.	
	5.4 Further information	Wear self-contained breathing apparatus for firefighting if necessary.	
Section 6	Accidental Release Measures		
	6.1 Personal precautions, protective equipment and emergency procedures	Use personnel protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.	
	6.2 Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into environment must be avoided.	
	6.3 Methods and materials for containment and cleaning up	Keep in suitable, closed containers for disposal. Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.	
	6.4 Reference to other sections	For disposal see Section 13.	



Section 7	Handling and Storage																														
	<p>7.1 Precautions for safe handling Avoid formation of dust and aerosols. Wear protective gloves and eye/face protection. Use only in well ventilated areas. Keep away from heat, sparks and open flame.</p> <p>7.2 Conditions for safe storage, including any incompatibilities Store in cool/well-ventilated place. Recommended Storage Temperature : 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</p> <p>8.2 Exposure controls Appropriate engineering controls Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks, immediately after handling the products and at the end of workday.</p> <p>Personal protective equipment Eye/face protection Safety glasses with side-shields conforming to EN 166 Use equipment for eye protection tested and approved under appropriate government such as NIOSH (US) or EN 166(EU). Have eye-washing facilities readily available where eye contact can occur.</p> <p>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.</p> <p>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.</p> <p>Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p>Environment exposure controls Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.</p>																														
Section 9	Physical and Chemical Properties																														
	<p>9.1 Information on basic physical and chemical properties</p> <table border="0"> <tr> <td>Appearance</td> <td>White to off-white, homogenous powder</td> </tr> <tr> <td>Odour</td> <td>No data available</td> </tr> <tr> <td>Odour Threshold</td> <td>No data available</td> </tr> <tr> <td>pH</td> <td>3.8- 4.8</td> </tr> <tr> <td>Melting/freezing point</td> <td>No data available</td> </tr> <tr> <td>Initial boiling point and boiling range</td> <td>No data available</td> </tr> <tr> <td>Flash point</td> <td>No data available</td> </tr> <tr> <td>Upper/lower flammability or explosive limits</td> <td>No data available</td> </tr> <tr> <td>Evaporation rate</td> <td>No data available</td> </tr> <tr> <td>Flammability (Solid, gas)</td> <td>No data available</td> </tr> <tr> <td>Vapour pressure</td> <td>No data available</td> </tr> <tr> <td>Relative density</td> <td>No data available</td> </tr> <tr> <td>Water Solubility</td> <td>Soluble after boiling in distilled water</td> </tr> <tr> <td>Autoignition Temperature</td> <td>No data available</td> </tr> <tr> <td>Decomposition Temperature</td> <td>No data available</td> </tr> </table>	Appearance	White to off-white, homogenous powder	Odour	No data available	Odour Threshold	No data available	pH	3.8- 4.8	Melting/freezing point	No data available	Initial boiling point and boiling range	No data available	Flash point	No data available	Upper/lower flammability or explosive limits	No data available	Evaporation rate	No data available	Flammability (Solid, gas)	No data available	Vapour pressure	No data available	Relative density	No data available	Water Solubility	Soluble after boiling in distilled water	Autoignition Temperature	No data available	Decomposition Temperature	No data available
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Section 10	Stability and Reactivity
	<p>10.1 Reactivity No data available</p> <p>10.2 Chemical stability Stable under recommended storage conditions.</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 Hazardous decomposition products formed under fire conditions - Nitrogen oxides(NOx), Sulphur oxides, Oxides of phosphorus,. Potassium oxides, Magnesium oxide, Cobalt/cobalt oxides, Calcium oxide, Copper oxides.</p>
Section 11	Toxicological Information
	<p>11.1 Information on toxicological effects</p> <p>Acute toxicity No data available Remarks : No data available</p> <p>No data available</p> <p>Skin corrosion/irritation No data available</p> <p>Serious eye damage/eye irritation No data available</p> <p>Respiratory or skin sensitisation No data available</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>Reproductive toxicity No data available</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>Additional Information RTECS : Not applicable</p>
Section 12	Ecological Information
	<p>12.1 Toxicity No data available</p> <p>12.2 Persistence and degradability No data available</p>



	<p>12.3 Bioaccumulative potential No data available</p> <p>12.4 Mobility in soil No data available</p> <p>12.5 PBT and vPvB assessment This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.</p> <p>12.6 Other adverse effects</p>																												
Section 13	Disposal Considerations																												
	<p>13.1 Waste treatments methods Product Dispose of as unused product.</p> <p>13.2 Contaminated packaging Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Contact a licenced professional waste disposal service to dispose off this material.</p>																												
Section 14	Transport Information																												
	<p>14.1 UN-No ADNR : ADR : IATA_C : IATA_P : IMDG : RID :</p> <p>14.2 UN proper shipping name ADNR : No dangerous goods ADR : No dangerous goods IATA_C : No dangerous goods IATA_P : No dangerous goods IMDG : No dangerous goods RID : No dangerous goods</p> <p>14.3 Transport hazard class (es) ADNR :- ADR :- IATA_C :- IATA_P :- IMDG :- RID :-</p> <p>14.4 Packaging group ADNR :- ADR :- IATA_C :- IATA_P :- IMDG :- RID :-</p> <p>14.5 Environmental hazards ADR : NO IMDG : Marine Pollutant: No IATA_C : No</p> <p>14.6 Special precautions for use No data available</p>																												
Section 15	Regulatory Information																												
	<p>This safety data sheet 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</p> <p>15.2 Chemical Safety Assessment For this product a chemical safety assessment was not carried out.</p>																												
Section 16	Other Information																												
	<table> <tr><td>H272</td><td>May intensify fire; oxidizer</td></tr> <tr><td>H302</td><td>Harmful if swallowed</td></tr> <tr><td>H315</td><td>Causes skin irritation</td></tr> <tr><td>H318</td><td>Causes serious eye damage</td></tr> <tr><td>H319</td><td>Causes serious eye irritation</td></tr> <tr><td>H335</td><td>May cause respiratory irritation</td></tr> <tr><td>H360</td><td>May damage fertility or the unborn child</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>H411</td><td>Toxic to aquatic life with long lasting effects</td></tr> <tr><td>Acute Tox.oral 4</td><td>Acute toxicity, oral, Category 4</td></tr> <tr><td>Aquatic Chronic 1</td><td>Hazardous to the aquatic environment, long term hazard, Category 1</td></tr> <tr><td>Aquatic Chronic 2</td><td>Hazardous to the aquatic environment, long term hazard, Category 2</td></tr> <tr><td>Eye Dam. 1</td><td>Serious eye damage or eye irritation, Category 1</td></tr> </table>	H272	May intensify fire; oxidizer	H302	Harmful if swallowed	H315	Causes skin irritation	H318	Causes serious eye damage	H319	Causes serious eye irritation	H335	May cause respiratory irritation	H360	May damage fertility or the unborn child	H373	May cause damage to organs through prolonged or repeated exposure	H410	Very toxic to aquatic life with long lasting effects	H411	Toxic to aquatic life with long lasting effects	Acute Tox.oral 4	Acute toxicity, oral, Category 4	Aquatic Chronic 1	Hazardous to the aquatic environment, long term hazard, Category 1	Aquatic Chronic 2	Hazardous to the aquatic environment, long term hazard, Category 2	Eye Dam. 1	Serious eye damage or eye irritation, Category 1
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Eye Irrit. 2A	Serious eye damage or eye irritation, Category 2A
Ox. Sol. 3	Oxidising solids, Category 3
Repr.Tox. 1A, 1B	Reproductive toxicity, Category 1A, 1B
Skin Irrit. 2	Skin corrosion or irritation, Category 2
STOT RE 2	Specific target organ toxicity, repeated exposure, 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.