

Effective date: <b>17-05-2015</b>	Hy-Labs Cat. No: <u>PD-109</u>	<b>MSDS FORMAT</b>	Replace Doc: NA
Doc. No: <b>MSDS-PD-109</b>		<b>MATERIAL SAFETY DATA SHEET</b>	

<b>1- Product and Company Identification</b>	
<b>Product Name</b>	<b>DTM AGAR</b>
<b>Reference number</b>	<b>PD-109</b>
<b>Manufacturer</b>	<b>Hy-Laboratories Ltd.</b> Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474
<b>2- Composition, Information on Ingredients</b>	
<b>Ingredients Name</b>	<b>Cas #</b>
Chloramphenicol	56-75-7
Cycloheximide	66-81-9
Gentamicin sulfate	1405-41-0
Water	7732-18-5
Sodium hydroxide	1310-73-2
Phenol red	143- 74-8
<b>3- Hazard Specifications</b>	
<b>Health Hazards</b> (Acute and Chronic)	Information pertaining to particular dangers for man and environment. May cause cancer. May cause sensitization by skin contact. Very toxic if swallowed Do not breathe dust Wear suitable protective clothing and gloves.
<b>4- First Aid Measures</b>	
<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Skin</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
<b>Eyes</b>	Remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical advice.
<b>Inhalation</b>	If inhaled, supply fresh air or oxygen and seek medical attention. In case of unconsciousness place patient on side position for transportation. If not breathing, give artificial respiration. Consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>5- Fire Fighting Measures</b>	
<b>Extinguishing Media</b>	<b>SMALL FIRE:</b> Use CO <sub>2</sub> , ABC multipurpose dry chemical, or water spray. <b>LARGE FIRE:</b> Fight larger fires with water spray or alcohol resistant foam.

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<b>Protective equipment</b>	Wear self contained breathing apparatus for firefighting if necessary.
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### 6- Accidental Release Measures

<b>Personal Precautions</b>	Wear suitable protective clothing. Remove contaminated clothing immediately. Avoid inhalation, contact with eyes and skin. Prevent formation of dust.
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<b>Spill</b>	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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### 7- Handling and Storage

<b>Precautions</b>	Protect against physical damage. Ensure good ventilation / exhaustion. Prevent formation of dust.
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<b>Storage</b>	2 - 8°C.
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### 8- Exposure Controls, Personal Protection

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
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<b>Personal Protective Equipment</b>	<p>Keep away from food, beverages, and feed. Wash hands before and after entering laboratory. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes and skin.</p> <p><b>Respiratory-</b> For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p><b>Hands-</b> 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 of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p><b>Eyes-</b> Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</p> <p><b>Clothing-</b> 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>
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### 9- Physical and Chemical Properties

<b>Physical state</b>	Solid
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<b>Color</b>	Orange
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### 10- Stability and Reactivity

<b>Stability</b>	Stable under recommended storage conditions.
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<b>Incompatibility</b>	Incompatible with strong oxidizing agents and strong acids.
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<b>Hazardous decomposition products</b>	Phosphorus oxides, Hydrogen chloride, Nitrogen oxides, Sulfur oxides, and Carbon dioxide.
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<b>11- Toxicological Information</b>	
<b>Primary irritant effect</b>	<b>Skin-</b> Irritation effect <b>Eye-</b> Irritation effect <b>Sensitization-</b> May cause sensitization by inhalation or by skin contact. <b>Chronic Effects on Humans-</b> Target organs: Reproductive system, central nervous system, eye/ear, musculoskeletal system, urogenital system. Carcinogenesis: Blood leukemia, lymphomas, aplastic anemia.
<b>12- Ecological Information</b>	
<b>Ecological measures</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>13- Disposal Information</b>	
<b>Disposal Information</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
<b>Container Information</b>	Do not remove labels from containers until they have been cleaned.
<b>14- Transport Information</b>	
<b>Hazard Class</b>	6.1
<b>Identification Number</b>	UN 2811
<b>Packing Group</b>	III
<b>Label</b>	6.1
<b>Proper Shippin Name</b>	Toxic Solids, organic, N.O.S. (Cycloheximide).
<b>15- Regulatory Information</b>	
<b>Safety Phrases</b>	Do not inhale dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing/gloves/face-eye protection.
<b>16- Other Information</b>	
<b>For In-Vitro use only.</b> <b>The information in this MSDS is based on current and reliable sources but does not purport to be all inclusive and shall be used only as a guide.</b>	