

Effective date: 15-02-2015	Hy-Labs Cat. No: <u>TT-147</u>	MSDS FORMAT MATERIAL SAFETY DATA SHEET	Replace Doc: NA
Doc. No: MSDS-TT-147			

1- Product and Company Identification	
Product Name	UMI MEDIUM
Reference number	TT-147
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474
2- Composition, Information on Ingredients	
Ingredients Name	Cas #
Urea	57-13-6
Phenol red	143-74-8
3- Hazard Specifications	
The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314. The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.	
4- First Aid Measures	
Skin	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Eyes	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
5- Fire Fighting Measures	
Extinguishing Media	SMALL FIRE: Use DRY chemical powder(CO2, ABC). LARGE FIRE: Use water spray, fog or foam. Don't use water jet. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. □ Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

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6- Accidental Release Measures				
Small Spill	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.			
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.			
7- Handling and Storage				
Handling	Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Discard contaminated shoes. Use only with adequate ventilation. Do not breathe spray or mist.			
Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible.			
Storage	15-25°C			
8- Exposure Controls, Personal Protection				
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.			
Personal Protective Equipment	<p>Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.</p> <p>Skin: Wear appropriate protective gloves to prevent skin exposure.</p> <p>Clothing: Wear appropriate protective clothing to prevent skin exposure.</p> <p>Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.</p>			
9- Physical and Chemical Properties				
Physical state	Liquid			
Color	Medium to dark Amber, clear.			
10- Stability and Reactivity				
Stability	Stable at room temperature in closed containers under normal storage and handling conditions.			
Incompatibilities with Other Materials:	Metals, acids, aluminum, tin, zinc.			
Hazardous Decomposition Products:	Toxic fumes of sodium oxide. Urea decomposes upon heating and can form products including ammonia, oxides of nitrogen, cyanuric acid, cyanic acid, biuret,			

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	carbon dioxide.
11- Toxicological Information	
Primary irritant effect	The substance is toxic to lungs, mucous membranes. Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant, permeator), of inhalation.
12- Ecological Information	
Ecological measures	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are more toxic. Do not apply directly to lakes, streams or ponds.
13- Disposal Information	
Disposal Information	Smaller quantities can be disposed of with solid waste. Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements. This product is not considered a RCRA hazardous waste.
14- Transport Information	
UN Number	UN 1824
Packing Group	III
Hazard Class	8
15- Regulatory Information	
Risk Phrases	Causes burns. Avoid contact with skin and eyes
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
16- Other Information	
For In-Vitro use only. 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.	