Effective date: 27-04-2013 Doc. No:

MSDS-LD-529

Hy-Labs Cat. No: LD-529

MSDS FORMAT MATERIAL SAFETY DATA SHEET

Replace Doc:

NA

1- Product and Company Identification		
Product Name	R2 AGAR	
Reference number	LD-529	
Manufacturer	Hy-Laboratories Ltd.	
	Park Tamar, Rehovot, 76326, Israel	
	Tel: 972-8-9366475	

Fax: 972-8-9366474

IARC Monographs? No

2- Composition	on, Information or	Ingredients
Ingradienta Name		Cas #

<u>Ingredients Name</u> 7758-11-4 Potassium Phosphate 113-24-6 Sodium Pyruvate

3- Hazard Specifications		
Human health hazards: skin	Yes	
Human health hazards: ingestion	Yes	
Human health hazards: inhalation	Yes	

Chronic) Carcinogenicity Signs and Symptoms of Exposure

Health Hazards: (Acute and

Medical Conditions Generally Aggravated by Exposure

dehydration and vomiting. Skin and eye irritation can cause redness and pain The toxicity of phosphates is their ability to sequester calcium. Chronic exposure of phosphates may sequester calcium and cause calcium phosphate deposits in the kidneys and induce systemic phosphorous poisoning. Persons with pre-existing skin disorders or eye problems, impaired liver, kidney, or respiratory function may be more susceptible to this material. Chronic exposure can cause dermatitis

IRRITANT. Irritating to eyes, skin, and respiratory system. May

IARC Monographs? No OSHA Regulated? No May cause irritation to the eyes, mucous membranes, and upper

respiratory tract. May be harmful if inhaled, symptoms include

OSHA Regulated? No

be harmful if absorbed through the skin or ingested

coughing and shortness of breath. Ingestion can cause

4. First Aid Measures

4- First Mid Micasures	
General Information	Immediately remove contaminated clothing. Show physician product label
Ingestion	If swallowed, wash mouth out with water provided person is conscious. Seek medical attention immediately
Inhalation	If inhaled, supply fresh air or oxygen. Seek medical attention. If breathing is difficult, give oxygen. In case of unconsciousness, place patient on side position for transportation
Eyes contact	Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention
Skin contact	Remove contaminated clothing immediately. Wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Wash clothing before reuse

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5- Fire Fighting Measures	
Flash Point (Method Used)	Closed Cup: N/A
Flammable Limits	LEL: (Lower Explosive Limit): N/A
	UEL: (Upper Explosive Limit): N/A
Extinguishing Media	Use water spray, Carbon dioxide, dry chemical powder, or appropriate foam
Special Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions. Firefighters should wear protective equipment and self-contained breathing apparatus
Unusual Fire and Explosion Hazards	During heating or in case of fire, poisonous gases are produced. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard
6- Accidental Release Measure	s
Personal Precautions	Shut off all sources of ignition, ventilate spill area. Consider need for evacuation. Wear suitable protective clothing, gloves, and eye protection. Avoid inhalation and contact with skin and eyes. Wear self-containing breathing apparatus, rubber boots, and heavy rubber gloves. Place contaminated material in a chemical waste container
Environmental Precautions	Prevent dispersion of material. Do not allow to enter drains or water courses
Clean-up Methods	Contact safety officer and ventilate area. Absorb spill with inert material, including dry-lime, sand, or soda ash. Place into a chemical waste container using non-sparking tools. Wash spill site after material pickup is complete
7- Handling and Storage	
Handling	Ensure good ventilation / exhaustion and do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched
Storage	Store at 2-8°C. Keep container tightly closed, protect from light, moist air, and steam. Store away from oxidizing agents. Keep away from heat, sparks, and open flame. Storage area should be cool, dry, and away from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues
8- Exposure Controls, Persona	l Protection
OES	N/A
ACGIH TLV Engineering Measures	N/A Do not use compressed air by filling, discharging or handling the product. Proper ventilation, safety shower, and eye bath required. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits

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Respiratory Protection Ventilation Special Other Protective Gloves Eye Protection Other Protective Clothing or Equipment	(Specify Type): Respiratory protection is not required. For conditions of use where exposure to dust is apparent, engineering controls are not feasible, or in the event of possible spill / exposure use dusk mask to (US) N95 or type P1 (EN 143) dust masks Local Exhaust: 50 – 100 CFM Mechanical (General): N/A N/A Safety shower and eye bath Compatible chemical-resistant gloves Safety glasses or chemical goggles to EN 166, 167, and 168 Uniform, lab coat, or disposable lab wear
Work / Hygienic Practices	Follow the usual precautionary measure for handling chemicals / powder. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin, and clothing
9- Physical and Chemical Prop	
Boiling Point	N/A
Vapor Pressure (mm Hg.)	N/A
Vapor Density (AIR = 1)	N/A
Specific Gravity	2.3 g/cm ³ (Potassium Phosphate)
Melting Point	>300°C (Sodium Pyruvate)
	> 465°C (Potassium Phosphate)
Solubility in Water	Soluble (Sodium Pyruvate)
	150 g/ 100 g cold water (Potassium Phosphate)
Appearance and Odor	Light Amber, odorless
10- Stability and Reactivity	
Stability	Stable
Conditions to Avoid	Moisture, stable under normal conditions
Incompatibility (Materials to Avoid)	Acids, alkaloids, lead acetate, strong oxidizing agents, and strong bases
Hazardous Decomposition or	Carbon monoxide, Carbon dioxide, Nitrogen oxides and
Byproducts	Potassium oxides. Thermal decomposition may produce toxic
W 1 D1 : //	fumes of phosphorus oxides and/or phosphine
Hazardous Polymerization Conditions to Avoid	Will Not Occur Moisture and incompatible materials
11- Toxicological Information	Worstere and meompariote materials
LD50	SKN-RBT, > 4640 mg/kg (Potassium Phosphate)
12- Ecological Information	2
Ecotoxicity Tests	N/A
13- Disposal Information	
Waste Disposal Method	Dispose in accordance with all applicable federal, state, and local environmental regulations. If any questions arise, contact a licensed professional waste disposal service to dispose of this
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	material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner
	and scrubber
Container Information	Do not remove labels from containers
14 TD 4 T C 4'	

14- Transport Information

Potassium Phosphate, Sodium Pyruvate:*

UN # --* Class: --

Packing Group: --Hazard Class: --

IATA: Non-Hazardous for Air Transport

*These substances are considered to be non-hazardous for transport

15- Regulatory Information

EU Regulations - Hazard Symbol(s):

Potassium Phosphate: Xi (Irritant) Sodium Pyruvate: Xi (Irritant)

Risk Phrases:

Potassium Phosphate: R 36 / 37 / 38, Irritating to eyes, respiratory system, and skin.

Safety Phrases:

Potassium Phosphate: S 22 / 24 / 25, Avoid contact with skin and eyes. Do not breathe dust

16- Other Information

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