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Section I - Product Identification

Product: An aqueous solution of agar and various salts

Intended Uses: A non-nutritive transfer medium for fecal bacteria.

Uses advised against: Intended for laboratory use only.

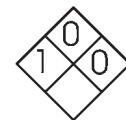
Manufacturer Identification

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Emergency Telephone Number

CHEMTREC Emergency Response Telephone Number: (800)424-9300. Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.



Section II - Hazard Identification

This item is not considered hazardous by 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) or EU, Regulation 1272/2008.

Acute toxicity (Oral): Category 5 (H303). May be harmful if swallowed.

Acute toxicity (Dermal): Category 5 (H313). May be harmful in contact with skin.

Eye damage/eye irritation: Category 2B (H320). May cause eye irritation.

The manufacturer is unaware of any chemical hazard associated with this product. The product may cause skin or eye irritation and may be harmful if swallowed.

Precautionary Statements

P102 Keep out of reach of children.

P103 Read label before use.

P270 Do not eat, drink or smoke when using this product.

Safety Ratings

Health: None *Flammability:* None *Reactivity:* None *Contact:* None

Recommended safety equipment: Not normally required.

Storage: General storage

NFPA Ratings

Health = 1 Flammability = 0 Reactivity = 0

Potential Health Effects

The manufacturer is not aware of any serious hazards associated with this product.

Inhalation: May be Irritating to the respiratory tract.

Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc

Skin contact: Can cause skin irritation or aggravation of existing dermatitis.

Eye contact: Can cause eye irritation.

Chronic Exposure: Not likely to be an issue.

Aggravation of preexisting conditions: Unknown.

Section III - Composition/Information on Components

Ingredient	CAS#	EC/List No.	%
Agar	9002-18-0	232-658-1	0.15% w/v

Sodium phosphate, dibasic	7558-79-4	231-448-7	0.1% w/v
Sodium chloride	7647-14-5	231-598-3	0.5% w/v
Sodium thioglycolate	367-51-1	206-696-4	0.1% w/v

Also contains ingredients .at concentrations below 0.1%.

Section IV - First Aid Measures

Inhalation: Unlikely to be an issue.

Ingestion: Unlikely to be an issue. Get medical advise for exceptional cases.

Skin Contact: Unlikely to be an issue. Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice if irritation develops.

Section V - Fire Fighting Measures

Flash point: Not applicable.

Flammable Limits: Not applicable.

Fire: Not normally a fire hazard.

Explosion: Not normally an explosion hazard.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Nothing exceptional.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent and store in a suitable container for disposal.

Section VII - Handling and Storage

P403+P233+P102; Store in a well-ventilated place. Keep container tightly closed. Keep out of reach of children.

Section VIII - Exposure Control/Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Agar	Not regulated	Not regulated	Not regulated
Sodium phosphate, dibasic	Not regulated	Not regulated	Not regulated
Sodium chloride	Not regulated	Not regulated	Not regulated
Sodium thioglycolate	Not regulated	Not regulated	Not regulated

Legend

ACGIH: American Conference of Governmental Industrial Hygienists.

OSHA: Occupational Safety and Health Administration.

NIOSH: National Institute for Occupational Safety and Health.

IDLH: Immediately dangerous to life or health.

Ventilation System: Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

Skin protection: Protective gloves are not required but may be used as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practices

Section IX - Physical and Chemical Properties

Boiling Point: 100 °C
Vapor pressure (mm Hg): 18 @ 20 °C
Vapor Density (air = 1): 0.6
Volatile organic carbon (VOC): Not applicable

Density: 1.01 g/ml
Evaporation Rate (water = 1): 1
Solubility: Miscible with water
Appearance and Odor: A clear red solution.

Section X - Stability and Reactivity

Stability: Stable under normal conditions.

Hazardous Decomposition Products: No known hazardous decomposition products.

Hazardous polymerization: Will not occur.

Incompatibilities: Nothing unusual.

Conditions to avoid: Low temperatures will cause the solution to gel. Shaking the vial will cause the solution to liquify and will not affect the efficacy of the solution.

Section XI - Toxicological Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Agar	No data	No data	No data
Sodium phosphate, dibasic	142 g/kg (Rat)	No data	No data
Sodium chloride	3 g/kg (Rat)	>10 g/kg (Rabbit)	>4.2 g/m ³ 1h
Sodium thioglycolate	500 mg/kg (Mouse)	200 mg/kg (Rat)	>2.7 g/l 4h

The product is non-toxic by ingestion or inhalation.

Cancer lists

<u>Ingredient</u>	<u>Known Carcinogenicity?</u>	<u>NTP?</u>	<u>Anticipated?</u>	<u>IARC Category</u>
Agar	No	No	No	None
Sodium phosphate, dibasic	No	No	No	None
Sodium chloride	No	No	No	None
Sodium thioglycolate	No	No	No	None

Section XII - Ecological Information

This product is not expected to bioaccumulate. The product biodegrades quickly and does not contain endocrine disrupters, persistent organic pollutants or ozone depleters.

Soil Mobility: Unknown

Environmental Fate: Biodegradable

Environmental Toxicity: The product has low environmental toxicity.

Component	Freshwater Fish	Water Flea	Freshwater algae
Agar	No data	No data	No data
Sodium phosphate, dibasic	No data	No data	No data
Sodium chloride	No data	No data	No data
Sodium thioglycolate	LC50 > 100 mg/l 96h	EC50 38 mg/l 48h	EC50 > 100 mg/l 72h

Section XIII - Disposal Considerations

Not normally restricted but ultimate authority resides with local government agencies. Insure compliance with all government regulations

Section XIV - Transportation Information

Not regulated by DOT or IATA.

Section XV - Regulatory Information

Chemical Inventory Status

<u>Ingredient</u>	<u>TSCA</u>	<u>EC</u>
Agar	Yes	Yes
Sodium phosphate, dibasic	Yes	Yes
Sodium chloride	Yes	Yes
Sodium thioglycolate	Yes	Yes

Federal and State Regulations

<u>Ingredient</u>	<u>SARA 302</u>		<u>SARA 313</u>		<u>RCRA</u>	<u>TSCA</u>	
	<u>RQ</u>	<u>TPQ</u>	<u>List</u>	<u>Category</u>	<u>261.33</u>	<u>8(D)</u>	<u>Ca. Prop 65</u>
Agar	No	No	No	No	No	No	No
Sodium phosphate, dibasic	No	No	No	No	No	No	No
Sodium chloride	No	No	No	No	No	No	No
Sodium thioglycolate	No	No	No	No	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: *Acute*: No, *Chronic*: No, *Fire*: No, *Pressure*: No

Section XVI - Other Information

This information is believed to be correct at the time of publication but is not guaranteed as such, nor does it purport to be all inclusive. Medical Chemical Corp. assumes no liability for the accuracy or completeness of the information. The user assumes all responsibility for compliance with federal, state and local laws.

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