

MATERIAL SAFETY DATA SHEET**Section 1: Company Identification and Product information****Product Name:**K.R.A.N.E.P. Agar Base**Product Code No.:**B567**Manufacturer's Name:**

BIOMARK LABORATORIES

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Tel. No. : 91 02024380877/24380026/8459755093**E-mail:** biomarklabs@gmail.com**Date of revision:** June 2020**Section 2: Composition/Information on Ingredients****Composition**

Ingredients	Grams/Litre
Peptic digest of animal tissue	5.00
Sodium chloride	5.00
Yeast extract	1.50
Meat extract B	1.50
*Potassium thiocyanate	25.50
Sodium pyruvate	8.20
Mannitol	5.10
*Lithium chloride	5.10
*Sodium azide	0.05
*Cycloheximide	0.041
Agar	15.00

* Harmful /Toxic/ Dangerous for the environment material

Hazardous Components	CAS-No.	Hazard Symbol	Risk Phrases	Safety Phrases
Lithium Chloride	7447-41-8	Xn (Harmful)	R 22-36/37/38	S 26-36/37/39
Potassium thiocyanate	333-20-0	Xn (Harmful)	R 20/21/22-32	S 13
Sodium azide	26628-22-8	Toxic	R28-32-50/53	S 28-45-60-61
Cycloheximide	66-81-9	Toxic	R 61-28-51/53-68	S 53-45-61

Section 3: Health Hazards Identification

Refer Section 2 and 15.

Section 4: First Aid Measures**General Information:** No special measures required.**Ingestion:** If swallowed, seek medical attention if symptoms occur. Show physician product label or MSDS.**Inhalation:** If inhaled, supply fresh air or oxygen. Seek medical attention if breathing becomes labored or difficult

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Eye Contact: Rinse opened eye for at least 15 minutes under running water, lifting lower and up eyelids occasionally. Seek medical attention.

Skin Contact: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Wash clothing before reuse. Seek medical attention if irritation develops.

Section 5: Fire Fighting Measures

Use Carbon dioxide, ABC multipurpose dry chemical, or water spray. Fight larger fires with water spray or alcohol resistant foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

Personal Precautions: Wear suitable protective clothing. Remove contaminated exhaustion at the workplace.

Environmental Precautions: Prevent dispersion of material. Wipe up with damp sponge or mop.

Clean-up Methods: Avoid prolonged or repeated exposure. Absorb material, ventilate area, and wash spill site after material has been cleaned up. Avoid inhalation, contact with eyes and skin. Prevent formation of dust.

Section 7: Handling and Storage

Handling: Avoid inhaling dust. Avoid contact with eyes, skin and clothing. Refer to Section 8

Storage: Store in cool, dry conditions below 30°C in well-sealed containers and protected from direct sunlight and moisture.

Section 8: Exposure Controls/ Personal Protection

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

Section 9: Physical and Chemical Properties

Appearance: Homogeneous free flowing powder

Colour: Cream to yellow

pH: 6.8 ± 0.2 at 25°C

Section 10: Stability and Reactivity

Stability: Stable under recommended storage and handling conditions

Conditions to avoid: Exposure to sunlight and moisture

Hazardous polymerization will not occur

Section 11: Toxicological Information

LD/LC50 values that are relevant: LD50 ORL-RAT: 526 mg/kg – Lithium Chloride

LD50: ORL-RAT, 27 mg/kg, Sodium Azide (26628-22-8)

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Carcinogenicity: Not listed.

Irritant: Irritant to eyes, skin, and mucous membranes.

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity: Target organs: nervous system, respiratory system, muscle and kidneys.

Sodium azide-Additional toxicological information: Irritant.

Eye: Produces irritation.

Inhalation: Irritant if inhaled, coughing possible.

Chronic: Target organs: Cardiovascular system, respiratory system, central nervous system, eyes, kidneys and skin. Prolonged or repeated skin contact may cause dermatitis.

Additional toxicological information: This product has a TDLo of 118 mg/kg (Or-human) based upon Sodium Azidecontent. Classified as Harmful, Irritant.

Section 12: Ecological Information

Ecotoxicity Tests: Generally not hazardous to water. No specific data available.

Section 13: Disposal Considerations

Disposal consideration: Non- hazardous waste. Dispose of according to all federal, state and local applicable regulations.

Container information: Containers should be cleaned by appropriate methods and then reused or disposed of by landfill or incineration as applicable.

Section 14: Transport Information

DOT Regulations: Not Regulated

Not classified.

Section 15: Regulatory Information

Risk Phrases:

R 22, Harmful if swallowed.

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

R 28, Very toxic if swallowed.

R 32, Contact with acids liberates very toxic gas

R 50/53, Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R20/21/22, Harmful by inhalation, in contact with skin and if swallowed.

R61, May cause harm to the unborn child.

R51/53, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R68, Possible risk of irreversible effects.

Safety Phrases:

S 26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39, Wear suitable protective clothing, gloves and eye/face protection.

S 28, After contact with skin, wash immediately with plenty of water.

S 45, In case of accident or if you feel unwell, seek medical advice immediately (show the label

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where possible)

S 60, This material and its container must be disposed of as hazardous waste

S61, Avoid release to the environment. Refer to special instructions/Safety data sheets

S13, Keep away from food, drink and animal feedingstuffs.

S53, Avoid exposure - obtain special instructions before use.

Section 16: Other Information

Information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information. Users of this material should satisfy themselves by independent investigation of current scientific or medical information that this material may be safely handled.