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# Material Safety Data Sheet

## Thermometer

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### 1. *PRODUCT AND COMPANY IDENTIFICATION*

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**Product Name:** Thermometer with kerosene

**Product Type or Synonym:** Thermometer with kerosene

**Product Description:** Thermometer for the use of the EZTest or MagnaAmp Incubator.

**Manufactured by:** SGM Biotech  
10 Evergreen Drive  
Bozeman, MT 59715 USA  
(406) 585-9535

**Emergency Phone:** (406) 585-9535

### 2. *HAZARDS IDENTIFICATION*

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**Warning!** May be harmful or fatal if inhaled or swallowed. Combustible liquid and vapor. Causes eye and skin irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause respiratory tract irritation. May cause blood abnormalities. May cause central nervous system depression. May cause liver and kidney damage.

**Target Organs:** Central nervous system, lungs, respiratory system, eyes, skin.

#### **Potential Health Effects**

**Eye:** Causes eye irritation

**Skin:** May cause skin irritation. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. May be absorbed through damaged or abraded skin in harmful amounts.

**Ingestion:** Aspiration hazard. May cause severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. May cause central nervous system depression. Exposure by ingestion may also cause adverse effects in the liver, kidneys, and pancreas

**Inhalation:** Causes respiratory tract irritation. Irritation may lead to chemical pneumonitis and pulmonary edema. Exposure produces central nervous system depression. Aspiration may cause respiratory swelling and pneumonitis. Aspiration may lead to pulmonary edema.

**Chronic:** Prolonged or repeated inhalation of dusts may cause neurological damage. Prolonged or repeated skin contact may cause defatting and dermatitis. May cause anemia and other blood cell abnormalities.

### 3. *COMPOSITION*

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**Name:** Kerosene

**Appearance:** Pale yellow (oily) liquid. Flash Point: 71.1°C

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**4. FIRST AID MEASURES**

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**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

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**5. FIRE FIGHTING MEASURES**

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**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Containers may explode in the heat of a fire. Liquid will float and may reignite on the surface of water. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Combustible liquid and vapor.

**Extinguishing Media:** Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water. For large fires, use water spray, fog or regular foam. For small fires, use dry chemical, carbon dioxide, water spray or regular foam. Cool containers with flooding quantities of water until well after fire is out.

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**6. ACCIDENTAL RELEASE MEASURES**

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**General Information:** Use proper personal protective equipment.

**Spills/Leaks:** Avoid runoff into storm sewers and ditches which lead to waterways. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Scoop up with a nonsparking tool then place into a suitable container for disposal. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as sawdust. Provide ventilation. Water spray may reduce vapor but may not prevent ignition in closed spaces.

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**7. HANDLING AND STORAGE**

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**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Do not ingest or inhale. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Limits:** N/A

**Specific Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### **Personal Protective Equipment**

**Eyes:** Wear chemical splash goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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### **9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Physical State:** Liquid

**Appearance:** pale yellow

**Odor:** odorless

**pH:** Not available.

**Vapor Pressure:** 5 mm Hg @ 38°C

**Vapor Density:** 4.5 (air=1)

**Evaporation Rate:** Not available.

**Viscosity:** >1.3 CST @ 40°C

**Boiling Point:** 151.1-301.1°C

**Freezing/Melting Point:** -17.8°C

**Decomposition Temperature:** Not available.

**Solubility:** Insoluble.

**Specific Gravity/Density:** 0.8 (water=1)

**Molecular Formula:** Not applicable.

**Molecular Weight:** Not available.

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### **10. STABILITY AND REACTIVITY**

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**Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Conditions to Avoid:** Ignition sources, excess heat.

**Incompatibilities with Other Materials:** Strong oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrocarbons.

**Hazardous Polymerization:** Has not been reported.

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### **11. TOXICOLOGICAL INFORMATION**

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**Epidemiology:** Ingestion of kerosene has been known to produce rapid death by gross aspiration and occlusion of the respiratory system. Even when death does not occur promptly, there is abundant evidence that the pneumonia commonly seen in children who swallow kerosene usually results from aspiration. The aspiration usually occurs at the moment of ingestion or as the result of vomiting within the first hour

**Teratogenicity:** No information available.

**Reproductive Effects:** No information available.

**Mutagenicity:** No information available.

**Neurotoxicity:** No information available.

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### **12. ECOLOGICAL INFORMATION**

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**Ecotoxicity:** No data available. Bluegill (fresh water) TLM=2990ppm/24H

**Environmental:** Biological Oxygen Demand (BOD): 53%, 5 days.

**Physical:** No information available.

**Other:** None.

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**13. DISPOSAL**

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Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

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**14. TRANSPORT**

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N/A

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**15. REGULATORY INFORMATION**

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**US FEDERAL****TSCA**

CAS# 64742-14-9 is listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b**

None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

**CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have a TPQ.

**Section 313**

No chemicals are reportable under Section 313.

**Clean Air Act:**

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 64742-14-9 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65**

**California No Significant Risk Level:** None of the chemicals in this product are listed.

**European/International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:**

XN

**Risk Phrases:**

R 65 Harmful: may cause lung damage if swallowed.

**Safety Phrases:**

S 23 Do not inhale gas/fumes/vapor/spray.

S 24 Avoid contact with skin.

S 62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**WGK (Water Danger/Protection)**

CAS# 64742-14-9: No information available.

**Canada - DSL/NDSL**

CAS# 64742-14-9 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of B3, D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

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**16. OTHER**

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See instructions for use delivered in each box of product.

**Prepared By:**

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Bozeman, MT 59715 USA  
(406) 585-9535

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