

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND DOCUMENT IDENTIFICATION

Product Identity: Ketosis Gel

Product Code: KG, 091-30

Manufactured by: Radix Laboratories, Inc.
1334 International Drive
Eau Claire, WI 54701

Emergency Telephone: (800) 424-9300

Information Telephone: (715) 833-0644

Date Prepared: May 03, 2013

Contact: Radix Laboratories Inc.

Replaces issue of: N/A

Prepared By: Terry Krueger

2. IDENTIFICATION OF SIGNIFICANT CHEMICAL COMPONENTS:

| <u>Component</u> | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>mg/mL</u> |
|-------------------------|-----------------------|------------------------|-------------------------|---------------------|
| Propylene Glycol | 57-55-6 | N/A | N/A | 718 mg/ml |
| Niacinimide | 98-92-0 | N/A | N/A | 40 mg/ml |
| Choline Chloride | 67-48-1 | N/A | N/A | 20 mg/ml |
| L-Methionine | 63-68-3 | N/A | N/A | 10 mg/ml |

3. FIRE/EXPLOSION HAZARDS:

Flash Point (Method Used): N/A

Flammable Limits: N/A – Gel formulation is nonvolatile.

Extinguishing Media: Dry Chemical / CO₂. Do not use direct water stream.

Special Fire Fighting Procedures: Usual fire fighting equipment including self-contained breathing apparatus. Emits toxic fumes under fire conditions. If fire can not be extinguished, withdraw and let it burn.

Unusual Fire and Explosion Hazards: None

4. FIRST-AID MEASURES:

Signs and Symptoms of Exposure: Irritating to skin, nasal and respiratory tracts, and eyes. Excessive ingestion may cause nausea/vomiting. Use only as directed on label.

Medical Conditions Generally Aggravated by Exposure: Fatigue, general.

Emergency and First Aid Procedures:

SKIN: Wash with water, remove contaminated clothing.

EYES: Flush with cold water for 15 minutes.

INGESTION: Seek medical attention immediately. Do not induce vomiting. Risk to lungs exceeds risk to digestion.

5. PRECAUTIONS FOR SAFE HANDLING AND USE:

Clean up of Released/Spilled Material: Ventilate area of spill, collect material for disposal. Wear protective equipment during clean up. After clean up, flush area with water.

Waste Disposal Method: Dispose as non-hazardous waste at facility operating in compliance with applicable federal, state and local regulations.

Handling and Storing Precautions: Store at room temperature. Avoid extremes in temperature. Handle to avoid breakage or spillage.

Other Precautions:

6. EXPOSURE CONTROL MEASURES:

Respiratory Protection: Not normally required.

Ventilation: Local exhaust should be provided. Use unpleasant odor as a fume control indicator.

Protective Clothing or Equipment: Impervious gloves, goggles, lab coat or similar clothing.

Work/Hygienic Practices: Avoid contact with eyes, skin, mucous membranes. Avoid ingestion unless administering as directed on the product label. Wash hands and face before eating, drinking or smoking.

7. PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: N/A

Specific Gravity (H₂O = 1): 1.15

Vapor Pressure (mm Hg): N/A

Melting Point: N/A

Vapor Density (Air = 1): N/A

Evaporation Rate: N/A

Solubility in Water: Complete

(Butyl Acetate = 1)

Appearance and Odor: Brown gel with foul odor (from L-Methionine).

8. REACTIVITY INFORMATION:

Stability: Stable

Conditions to Avoid: Extremes in temperature.

Incompatibility (Materials to Avoid): Oxidizers

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur

9. TOXICOLOGICAL HAZARD INFORMATION:

Route(s) of Entry: Ingestion, skin, eyes.

Health Hazards (Acute and Chronic): Irritation to skin/eyes may occur on contact. Ingestion beyond label instructions may cause nausea/vomiting.

Carcinogenicity: None

Oral Rat LD50: 22,000 mg/kg