

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

| IDENTITY AND MANUFACTURER'S INFORMATION   |  |   |  |   |                 |                           |
|---|--|---|--|---|-----------------|---------------------------|
| <b>NFPA Rating:</b> Health-1; Flammability-0; Reactivity-0; Special- -  |  |   | <b>HMIS Rating:</b> Health-1; Flammability-0; Reactivity-0; Personal Protection-B  |   |                 |                           |
| <b>Manufacturer's Name:</b> RITE-KEM, INC.<br>Address: 703 Westmoreland Drive<br>Tupelo, MS 38801   |  |   | <b>DOT Hazard Classification:</b> Non-Hazardous<br><b>Identity</b> (trade name as used on label):<br><p style="text-align: center;"><b>KLEAR KLEAN</b></p> |   |                 |                           |
| Date Prepared: 03/14/2001      Prepared By: ml  |  | <b>MSDS Number:</b> Klear Klean      Revision - 1 |  |   |                 |                           |
| Information Calls: (770)422-2071<br><b>EMERGENCY RESPONSE NUMBER: 1(800)255-3924</b>  |  |   | NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA   |   |                 |                           |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION   |  |   |  |   |                 |                           |
| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES<br>(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)   |  | CAS Number  | SARA III LIST  | OSHA PEL (ppm)  | ACGIH TLV (ppm) | Carcinogen Ref. Source ** |
| DIPROPYLENE GLYCOL METHYLEETHER (DPM)   |  | 34590-94-8  |  |   | 100(skin)       |                           |
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| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS   |  |   |  |   |                 |                           |
| <b>Boiling Point:</b> Est. 212°F  |  |   | <b>Specific Gravity</b> (H <sub>2</sub> O=1): 1.005  |   |                 |                           |
| <b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A  |  |   | <b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/D   |   |                 |                           |
| <b>Vapor Density</b> (Air = 1): N/D   |  |   | <b>Evaporation Rate</b> (water = 1): Not known   |   |                 |                           |
| <b>Solubility in Water:</b> Miscible  |  |   | <b>Water Reactive:</b> No  |   |                 |                           |
| <b>Appearance and Odor:</b> Clear liquid with citrus odor   |  |   |  |   |                 |                           |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA  |  |   |  |   |                 |                           |
| <b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A   |  | <b>Auto Ignition Temperature</b><br>None          |  | <b>Flammability Limits in Air by % in Volume:</b><br>% LEL: N/A      % UEL: N/A |                 |                           |
| <b>FLASH POINT AND METHOD USED</b> (non-aerosols): None to boiling (TCC)  |  |   | <b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Use procedures applicable to surrounding fire.  |   |                 |                           |
| <b>EXTINGUISHER MEDIA:</b> Use media compatible with surrounding fire.  |  |   |  |   |                 |                           |
| <b>Unusual Fire &amp; Explosion Hazards:</b> None known.  |  |   |  |   |                 |                           |
| SECTION 4 - REACTIVITY HAZARD DATA  |  |   |  |   |                 |                           |
| <b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE  |  |   | <b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR  |   |                 |                           |
| <b>Incompatibility</b> (Mat. to avoid): Strong oxidizing agents.  |  |   | <b>Conditions to Avoid:</b> None   |   |                 |                           |
| <b>Hazardous Decomposition Products:</b> Oxides of carbon, unidentified organic compounds.  |  |   |  |   |                 |                           |
| SECTION 5 - HEALTH HAZARD DATA  |  |   |  |   |                 |                           |
| <b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ X ] INGESTION [ ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS  |  |   |  |   |                 |                           |
| <b>ACUTE EFFECTS:</b> SYSTEMIC OVEREXPOSURE: Headache, dizziness, nausea, incoordination, drowsiness & loss of consciousness.   |  |   |  |   |                 |                           |
| <b>Inhalation:</b> Extremely high concentrations of vapor, mist or liquid contact can irritate respiratory tract & may cause bronco-pneumonia or pulmonary edema.   |  |   |  |   |                 |                           |
| <b>Eye Contact:</b> Liquid or vapor contact can cause irritation.   |  |   | <b>Skin Contact:</b> Prolonged or repeated contact can cause dryness & irritation.   |   |                 |                           |
| <b>Ingestion:</b> May cause nausea, vomiting & abdominal pain. If vomiting occurs, aspiration of vomitus into lungs can cause bronco-pneumonia or pulmonary edema.  |  |   |  |   |                 |                           |
| <b>CHRONIC EFFECTS:</b> None known.   |  |   |  |   |                 |                           |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> May add to pre-existing irritation.   |  |   |  |   |                 |                           |
| EMERGENCY FIRST AID PROCEDURES  |  |   |  |   |                 |                           |
| <b>Eye Contact:</b> Flush with water for 15 minutes holding lids open. Get medical attention.   |  |   |  |   |                 |                           |
| <b>Skin Contact:</b> Remove contaminated clothing. Wash with soap and water. If persistent irritation occurs, get medical attention.  |  |   |  |   |                 |                           |
| <b>Inhalation:</b> Remove to fresh air and provide oxygen or artificial respiration if needed. Get medical attention.   |  |   |  |   |                 |                           |
| <b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.   |  |   |  |   |                 |                           |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES   |  |   |  |   |                 |                           |
| <b>Respiratory Protection (specify type):</b> None generally needed under normal handling and use conditions.   |  |   |  |   |                 |                           |
| <b>Protective Gloves:</b> Rubber or PVC.  |  |   | <b>Eye Protection:</b> Safety glasses or chemical goggles.   |   |                 |                           |
| <b>Ventilation Requirements:</b> Not generally needed under normal handling and use conditions. If needed, use explosion-proof ventilation.   |  |   |  |   |                 |                           |
| <b>Other Protective Clothing &amp; Equipment:</b> Clothing as needed to prevent skin contact. Eyewash station and safety shower.  |  |   |  |   |                 |                           |
| <b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.   |  |   |  |   |                 |                           |
| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE   |  |   |  |   |                 |                           |
| <b>Steps To Be Taken If Material Is Spilled Or Released:</b> Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Contain spill. Soak up in an inert absorbent & place in leak-proof containers. Seal containers & label properly for legal disposal. |  |   |  |   |                 |                           |
| <b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.  |  |   |  |   |                 |                           |
| <b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers. Keep closed when not in use. Protect from extreme heat and cold. Shelf life 1 year.  |  |   |  |   |                 |                           |
| <b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Do not cut, drill or weld on or near full, part full or empty drums.  |  |   |  |   |                 |                           |

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only