

# MATERIAL SAFETY DATA SHEET

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

| IDENTITY AND DISTRIBUTOR'S INFORMATION                                                                                                                                                                                                                                   |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
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| <b>NFPA Rating:</b> Health-2; Flammability-0; Reactivity-0; Special- -<br><b>Manufactured For:</b> UNISOURCE WORLDWIDE, INC.<br><b>Address:</b> 6600 Governors Lake Parkway<br><b>Address:</b> Norcross, GA 30071                                                        |  |                                                                                                                                                                    | <b>HMIS Rating:</b> Health-2; Flammability-0; Reactivity-0; Personal Protection-B<br><b>DOT Hazard Classification:</b> NON-REGULATED<br><b>Identity</b> (trade name as used on label):<br><b>ALLSTAR LEM-O-QUAT (U14826, U14827, U14828)</b> |                                                                                 |                 |                           |
| <b>Phone:</b> 800-UNISOURCE<br><b>Emergency Response Number:</b> 1-888-660-6737                                                                                                                                                                                          |  |                                                                                                                                                                    | <b>MSDS Number:</b> B00259 <b>Revision -</b> 2<br><b>Date Prepared:</b> 05/02 <b>Prepared By:</b> DP/IB<br><b>Information Calls:</b> (770)422-2071                                                                                           |                                                                                 |                 |                           |
| <b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>                                                                                                                                                                                                                     |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION                                                                                                                                                                                                                      |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b><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 ** |
| DIDECYL DIMETHYL AMMONIUM CHLORIDE                                                                                                                                                                                                                                       |  | 7173-51-5                                                                                                                                                          | No                                                                                                                                                                                                                                           | N/E                                                                             | N/E             | d                         |
| N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE                                                                                                                                                                                                                                |  | 8001-54-5                                                                                                                                                          | No                                                                                                                                                                                                                                           | N/E                                                                             | N/E             | d                         |
|                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
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| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS                                                                                                                                                                                                                            |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Boiling Point:</b> <212°F<br><b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A<br><b>Vapor Density</b> (Air = 1): N/D<br><b>Solubility in Water:</b> Soluble                                                                                                         |  |                                                                                                                                                                    | <b>Specific Gravity</b> (H2O=1): 1.0<br><b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): <17mm Hg @ 20C<br><b>Evaporation Rate</b> ( water = 1): 1<br><b>Water Reactive:</b> No                                                  |                                                                                 |                 |                           |
| <b>Appearance and Odor:</b> Clear yellow liquid with citrus / lemon fragrance.                                                                                                                                                                                           |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA                                                                                                                                                                                                                               |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A                                                                                                                                                                                                      |  | <b>Auto Ignition Temperature</b> N/D                                                                                                                               |                                                                                                                                                                                                                                              | <b>Flammability Limits in Air by % in Volume:</b><br>% LEL: N/D      % UEL: N/D |                 |                           |
| <b>FLASH POINT AND METHOD USED</b> (non-aerosols): >200°F TCC                                                                                                                                                                                                            |  | <b>SPECIAL FIRE FIGHTING PROCEDURES:</b> When heated to decomposition in a fire, product may liberate trace amounts of noxious and/or toxic fumes. See Section #4. |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>EXTINGUISHER MEDIA:</b> Water spray or fog, foam, dry chemical or CO2. Do not use direct water stream.                                                                                                                                                                |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Unusual Fire &amp; Explosion Hazards:</b> Thermal decomposition may release trace amounts of HCl. See section #4.                                                                                                                                                     |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| 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 oxidizers, anionic surfactants.                                                                                                                                                                                           |  | <b>Conditions to Avoid:</b> None known.                                                                                                                            |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Hazardous Decomposition Products:</b> CO, CO2, oxides of nitrogen and trace amounts of HCl.                                                                                                                                                                           |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| SECTION 5 - HEALTH HAZARD DATA                                                                                                                                                                                                                                           |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS                                                                                                                                                         |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>ACUTE EFFECTS:</b>                                                                                                                                                                                                                                                    |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Inhalation:</b> Inhalation of spray or mist may cause irritation of respiratory tract tissues.                                                                                                                                                                        |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Eye Contact:</b> Moderate to severe irritation, depending on quantity & duration of contact.                                                                                                                                                                          |  |                                                                                                                                                                    | <b>Skin Contact:</b> Prolonged or repeated contact may cause irritation.                                                                                                                                                                     |                                                                                 |                 |                           |
| <b>Ingestion:</b> Moderate to severe irritation of gastrointestinal tract tissues. Toxic effects unlikely.                                                                                                                                                               |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>CHRONIC EFFECTS:</b> None known.                                                                                                                                                                                                                                      |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing irritation of skin or mucous membranes.                                                                                                                                                         |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| EMERGENCY FIRST AID PROCEDURES                                                                                                                                                                                                                                           |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.                                                                                                                                                                      |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Skin Contact:</b> Remove contaminated clothing. Wash with soap and water. If irritation persists, get medical attention.                                                                                                                                              |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Inhalation:</b> Remove to fresh air. Provide oxygen if breathing is difficult. Get medical attention.                                                                                                                                                                 |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water or large quantity of milk, egg whites or gelatin solution. Get immediate medical attention.                                                                                                      |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES                                                                                                                                                                                                                              |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Respiratory Protection (specify type):</b> None needed under normal conditions of handling and usage.                                                                                                                                                                 |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Protective Gloves:</b> Rubber or nitrile gloves recommended.                                                                                                                                                                                                          |  |                                                                                                                                                                    | <b>Eye Protection:</b> Safety glasses or goggles.                                                                                                                                                                                            |                                                                                 |                 |                           |
| <b>Ventilation Requirements:</b> Special ventilation is not needed under normal conditions of handling and usage.                                                                                                                                                        |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Other Protective Clothing &amp; Equipment:</b> Clothing as required to minimize 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> Contain spill. Keep out of surface waters & any sewers or water courses entering or leading to surface waters. Soak up with inert absorbent & place in properly labeled leak-proof containers for 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 away from heat, open flames & oxidizing materials. Keep closed when not in use.                                                                                          |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |
| <b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.                                                                                                                                                        |  |                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                 |                 |                           |

*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