

Liquid Release Agent™



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Material Safety Data Sheet

PRODUCT: Liquid Release Agent™ (Page 1 of 2)

1. IDENTIFICATION OF SUBSTANCE

- **Product details**
- **Trade name:** Liquid Release Agent™
- **Manufacturer/Supplier:** Contract Packaging, Inc., 22 N. Dollins Ave, Orlando, FL 32805
Tel. (407) 246-7797, Fax. (407) 481-2261, www.koverkrete.com

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call (703) 527-3887. Collect calls are accepted.

- **Information department:** Environmental, Health, and Safety department.

2. HAZARDOUS INGREDIENTS

- **Hazardous components:**

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>Contents%</u>
CAS# 64742-47-8				
Synthetic Isoparaffinic				
- **General Information:** To the best of our knowledge the information contained herein is correct. Contract Packaging, Inc. assumes no responsibility for accuracy or completeness. User is responsible for suitability.
- **FOR INDUSTRIAL USE ONLY**
- **HMIS RATING:** Health-1 Flammability-2 Reactivity-1 Protection-

3. PHYSICAL/CHEMICAL CHARACTERISTICS

- | | | | |
|---------------------------------|-------------------|---|------------|
| Boiling Point: | 424°F-484°F | Specific Gravity (H₂O=1) | 0.79 at 60 |
| Vapor Pressure (mm Hg) | < 0.1@68° | Melting/Freezing Point | < 76°F |
| Vapor Density (Air=1) | N/A | Evaporation Rate (Butyl Acetate=1) | < 0.01 |
| Solubility in Water: | < 0.1@77° | Viscosity of Liquid | ^3.4@ 77°F |
| Appearance, Odor, Color: | Liquid, Colorless | Specific Gravity of Vapor at 1 atm (Air=1) | 5.90 |

4. FIRE AND EXPLOSION HAZARD DATA

- **Flash Point (Method Used:** 177°F PMCC Autoignition Temperature: 640°
- **Flammable Limits:** LEL: 1.3@77°F UEL: 8.8@77°F
- **Extinguishing Media:** Foam, dry chemical, or water Spray
- **General Hazard:** Combustible liquid, can form combustible mixtures at temperatures at or above the flash point. Static discharge, material can accumulate static charges that can cause an incendiary electrical discharge. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT** pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; **THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed of.
- **Special Fire Fighting Procedures:** Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Avoid spraying water directly into storage containers due to danger of boil over.
- **Unusual Fire and Explosion Hazards:** This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

5. REACTIVITY DATA

- **Stability:** Stable
- **Conditions to Avoid:** Avoid high temperatures
- **Incompatibility (Materials to Avoid):** Strong oxidizing agents
- **Hazardous Decomposition or Byproducts:** None
- **Hazardous Polymerization:** Will not occur
- **Conditions to Avoid:** Not applicable
- **Other Precautions:** The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

Manufactured by

CONTRACT PACKAGING INC.

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6. HEALTH HAZARD DATA

- **Health Hazard**
- **Route(s) of Entry:**
 - Eyes-** Slightly irritating but does not injure eye tissue.
 - Inhalation-** High vapor/aerosol concentrations (greater than approximately 700 ppm, attainable at elevated temperatures well about ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.
 - Skin-** Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity. Skin contact may aggravate an existing dermatitis condition.
 - Ingestion-** Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Minimal toxicity.
- **Emergency & First Aid Procedures:**
 - Eyes:** Flush with plenty of water for at least 15 minutes or until irritation subsides. If irritation persists, get medical attention.
 - Skin:** Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.
 - Inhalation:** Remove to fresh air. Administer artificial respiration if breathing is stopped. Keep at rest. Call physician and or transport to medical facility.
 - Ingestion:** **CORROSIVE. DO NOT INDUCE VOMITING.** Get prompt medication attention. Keep at rest.

7. PRE-CAUTION FOR SAFE HANDING AND USE

- **ELECTROSTATIC ACCUMULATION HAZARD: YES, USE PROPER GROUNDING PROCEDURE.** Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. **DO NOT** handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. Material will accumulate static charges that may cause an electrical spark (ignition source). Use proper grounding procedures. **DO NOT** pressurize, cut, heat, or weld containers. Empty containers may contain product residue. **DO NOT** reuse empty containers without commercial cleaning or reconditioning.
- **Steps to taken in case material is released or spilled:** Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or with suitable absorbents. It allowed by local authorities and environmental agencies, sinking and or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- **Precautions to be taken in handling and storage:** Prevent all skin and eye contact. Avoid breathing vapors. Re-seal partially used containers. Ensure that all containers are properly labeled to prevent accidental ingestion. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Observe conditions of good hygiene and safe working practices. Remove and thoroughly launder contaminated clothing before reuse. Discard contaminated shoes. Store under cool, dry conditions and away from open flames and high temperatures.

8. CONTROL MEASURES

- **Respiratory Protection (Type):** Whenever exposure to vapor/mist is likely unless levels are below applicable limits, wear a properly fitted NIOSH/MSHA approved respirator. For emergencies, a self-contained breathing apparatus or full face respirator is recommended.
- **Ventilation:** Ventilation must be sufficient to control vapors. Breathing of vapors must be avoided. This material should be confined as far as possible within sealed or covered equipment in which case normal ventilation should be adequate. Special (local) ventilation will be needed in areas where vapors are expected to be vented.
 - Local Exhaust:** N/A
 - Mechanical (General):** N/A
 - Special:** N/A
 - Other:** N/A
- **Protective Gloves:** Impervious gloves, neoprene or rubber.
- **Eye Protection:** Safety glasses including splash guards or side shields, chemical goggles, or face shields are recommended.
- **Other Protective Clothing or Equipment:** Protective clothing if preferred. Clean, body covering clothing. Further safety equipment (apron, footwear, etc) should be used as necessary to prevent contact with material. Launder contaminated clothing before reuse. Eye bath.
- **Work Hygienic Practices:** Practice good housekeeping. Use good personal hygiene practices.

9. OTHER INFORMATION

This information is based our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Environmental, Health and Safety department
- **Contact:** Daniel L. Huckabee