

# Safety Data Sheet

## LL10 & LL20 Water Repellents

SDS Revision Date:

8/16/2018



### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** LL10 & LL20 Water Repellents

**PRODUCT CODE:** LL10 & LL20 Water Repellents

**SYNONYMS:**

**CAS NUMBER:**

**PRODUCT USE:** See Technical Datasheet

**MANUFACTURER**

Karnak Corporation  
330 Central Avenue  
Clark, NJ 07066  
www.karnakcorp.com

**24 HR. EMERGENCY TELEPHONE NUMBER**

**CHEMTREC (US Transportation):** (800)424-9300  
**CHEMTREC (International Transportation):** 1(202)483-7616

### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Thin White

**IMMEDIATE CONCERNS:** None

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause eye irritation

**SKIN:** May cause skin irritation

**SKIN ABSORPTION:** Causes skin irritation.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Harmful if inhaled.

**CHRONIC:** Prolonged or repeated skin contact may cause dryness, defatting, and dermatitis.

**CARCINOGENICITY:** The ingredients of this product are known to the state of California to be carcinogenic. The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP. No significant exposure to any ingredient is thought to occur during the use in which the ingredients are bound to other materials in the liquid state as in paints and coatings

**MUTAGENICITY:** There is no substantial evidence of mutagenic potential.

**REPRODUCTIVE TOXITY**

**REPRODUCTIVE EFFECTS:** Not Applicable

**TERATOGENIC EFFECTS:** Not Applicable

**IRRITANCY:** Not Applicable

**CLASSIFICATION:** Not Applicable

# Safety Data Sheet

## LL10 & LL20 Water Repellents

SDS Revision Date:

8/16/2018



### PICTOGRAMS



**SIGNAL WORD:** Warning

**HAZARD STATEMENTS:** H-315 Causes skin irritation.

**PRECAUTIONARY STATEMENTS:** Use personal protective equipment as required.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Triethoxyoctyl - Silane	10% to 20%	2943-75-1
Water	80% to 90%	7732-18-5

\* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

"WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

### PICTOGRAMS



**SIGNAL WORD:** Warning

**HAZARD STATEMENTS:** H-315 Causes skin irritation.

**PRECAUTIONARY STATEMENTS:** Use personal protective equipment as required.

P-262 Do not get in eyes, on skin or clothing.

# Safety Data Sheet

## LL10 & LL20 Water Repellents

SDS Revision Date:

8/16/2018



### 4. FIRST AID MEASURES

**EYES:** In case of contact, flush eyes with large amounts of running water for at least 15 min. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention

**SKIN:** Remove as much of the material as possible using mechanical/waterless methods before washing with water. Seek medical attention for any burns or irritation resulting from contact with cure by-products

**INGESTION:** Never give an unconscious person anything to drink. If unconscious, treat for shock. Notify a physician or the nearest poison control center immediately. If conscious, have the person rinse his mouth with cold water. Do not attempt to induce vomiting (vomiting may occur naturally, but should be avoided if possible). If unconscious and vomiting, turn the person to his side to avoid choking.

**INHALATION:** If inhaled, remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

#### **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**SYMPTOMS:** Not Applicable

**EFFECTS:** Not Applicable

**NOTES TO PHYSICIAN:** Not Applicable

### 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Use foam, dry chemical, CO<sub>2</sub>, or water.

**FIRE FIGHTING PROCEDURES:** As appropriate for surrounding materials/equipment. If electrical equipment is involved, the use of foam should be avoided. Use water spray to cool non-involved containers.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** There are no known unusual fire or explosion hazards.

**COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, nitrogen oxides

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Remove all sources of ignition. Ventilate area. Absorb spill with absorbent material such as sawdust, vermiculite or sand, and place in a closed container. In case of large spill, dike the area to prevent this material from entering water systems or sewers.

# Safety Data Sheet

## LL10 & LL20 Water Repellents

SDS Revision Date:

7/13/2018



---

**LARGE SPILL:** For major spills call Chemtrec (800-424-9300).

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Not Applicable

**LAND SPILL:** Not Applicable

**PERSONAL PRECAUTIONS:** Wear protective gloves/protective clothing/eye protection/face protection.

**PROTECTIVE EQUIPMENT:** Not Applicable

**EMERGENCY PRECAUTIONS:** Not Applicable

**METHOD OF CLEANING UP:** Collect spillage.

### 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Avoid breathing aerosols, spray mists and heated vapors. Avoid prolonged or repeated skin contact.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:** Keep containers properly sealed when stored indoors, in a cool well-ventilated area. Keep contents away from moisture. Keep away from heat, sparks and open flame. As standard practice, never use welding or cutting torch on or near any container (even empty) as an explosion may occur. Care should be taken to prevent moisture condensation in the container. Avoid storage above 100°F.

### 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

#### OSHA TABLE COMMENTS:

NL = Not Listed

**EXPOSURE LIMITS :** Not Applicable

**ENGINEERING CONTROLS:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s). General ventilation is recommended. Additional local exhaust ventilation is recommended where vapors, mists, or aerosols may be released.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protection devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

# Safety Data Sheet

## LL10 & LL20 Water Repellents

SDS Revision Date:

8/16/2018



**SKIN:** Wear chemical resistant gloves. Wear protective clothing to prevent skin contact. Keep exposed skin area to a minimum. Eye wash station and safety shower should be available.

**RESPIRATORY:** Use only NIOSH/MSHA approved air purifying or supplied air respirator operated in a positive pressure mode per the NIOSH/OSHA occupational health guidelines for chemical hazards. If it is possible to generate significant levels of vapors or mists, a NIOSH approved or equivalent respirator is recommended.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work, using plenty of soap and water. Open containers of food and beverages should be kept away from areas where the product is used or stored. Eating, drinking, smoking and application of cosmetics should be prohibited in areas where the product is being used.

**OTHER USE PRECAUTIONS:** Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

**COMMENTS:** Not Applicable

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Thin liquid

**COLOR:** Cloudy White

**ODOUR:** Slight sweet smell

**ODOUR THRESHOLD:** Not Applicable

**pH:** 6-9

**MELTING POINT:** Not Applicable

**BOILING POINT:** >212°F

**FLASH POINT AND METHOD:** No Data

**EVAPORATION RATE:** Slower than ether

**FLAMMABILITY (Solid/Gas):** Not Applicable

**FLAMMABLE LIMITS:** Not Applicable TO Not Applicable

**VAPOUR PRESSURE:** Not Determined

# Safety Data Sheet

## LL10 & LL20 Water Repellents

SDS Revision Date:

8/16/2018



**VAPOUR DENSITY:** Heavier than air

**SPECIFIC GRAVITY:** 0.96 g/cm<sup>3</sup>

**% SOLUBILITY IN WATER:** Miscible

**OCTANOL/WATER PARTITION COEFFICIENT:** Not Applicable

**AUTO-IGNITION TEMPERATURE:** Not Applicable

**DECOMPOSITION TEMPERATURE:** Not Applicable

**POUR POINT:** Not Applicable

**MOLECULAR FORMULA:**

**% VOLATILE:** 12.3%, 211 g/L

**VISCOSITY:** Not Applicable

**MOLECULAR WEIGHT:** Not Applicable

### 10. STABILITY AND REACTIVITY

**STABLE:** Not Applicable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Keep away from heat, sparks, or flames

**STABILITY:** This is a stable product.

**POLYMERIZATION:** Not Applicable

**HAZARDOUS DECOMPOSITION PRODUCTS:** By high heat or fire: Carbon Monoxide, Oxides of Nitrogen and various hydrocarbon fragments.

**INCOMPATIBLE MATERIALS:** Avoid strong oxidizing agents, concentrated nitric and sulfuric acids, halogen, and molten sulfur.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Not Applicable

# Safety Data Sheet

## LL10 & LL20 Water Repellents

SDS Revision Date:

8/16/2018



### 11. TOXICOLOGICAL INFORMATION

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Dizziness and shortness of breath.

#### ACUTE EFFECTS:

**EYE:** Exposure to liquid or vapor causes eye irritation. Symptoms may include stinging, tearing, and swelling.

**SKIN:** Exposure causes skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

**INHALATION:** Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are more likely seen at air concentrations exceeding the recommended exposure limits. Symptoms of exposure may include: Irritation (nose, throat, and respiratory tract), metallic taste in mouth, impaired coordination, confusion, CNS depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, and unconsciousness).

**INGESTION:** Single dose or oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Symptoms may include: Gastrointestinal irritation (nausea, vomiting, and diarrhea) and possible liver damage. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.

**TARGET ORGAN:** No Data Available

**CHRONIC EFFECTS:** Prolonged or repeated skin contact may cause dryness, defatting, and dermatitis.

**ACUTE TOXICITY VALUES:** No Data Available

#### SYMPTOMS OF RELATED

**PHYSICAL:** No Data Available

**CHEMICAL:** No Data Available

# Safety Data Sheet

## LL10 & LL20 Water Repellents

SDS Revision Date:

8/16/2018



**TOXICOLOGICAL CHARACTERISTICS:** No Data Available

**DELAYED AND IMMEDIATE EFFECTS:** No Data Available

### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No Data Available

**PERSISTENCE AND DEGRADABILITY:** No Data Available

**BIO-ACCUMULATIVE POTENTIAL:** No Data Available

**MOBILITY:** No Data Available

**OTHER ADVERSE EFFECTS:** No Data Available

### 13. DISPOSAL CONSIDERATIONS

#### WASTE TREATMENT METHODS

**DISPOSAL METHOD:** This product has been tested and found to have a flash point above 290°F . If discarded in liquid form, this product may be treated as hazardous waste based on the characteristic of ignitability as defined under the federal RCRA regulations (40 CFR 261). For further, information contact your state or local solid waste agency or the United States Environmental Protection Agency's RCRA hotline (1-800-434-9300 or 202-382-3000). Chemical waste, even small quantities should never be poured down drains, sewers or waterways. Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.

**EMPTY CONTAINER :** Not Applicable

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**TECHNICAL NAME:** Not Applicable

**UN NUMBER:** Not Applicable

**UN PROPER SHIPPING NAME:** Not Applicable

**TRANSPORT HAZARD CLASS:** Not Applicable

**PACKING GROUP:** Not Applicable

**MARINE POLLUTANT:** Not Applicable



**Safety Data Sheet**  
**LL10 & LL20 Water Repellents**

SDS Revision Date:

8/16/2018



---

**SPECIAL PRECAUTIONS:** Not Applicable

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Not Applicable

**FIRE:** No

**PRESSURE GENERATING** : No

**REACTIVITY:** No

**ACUTE:** Yes

**CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:**

Reportable Component

None

**302/304 EMERGENCY PLANNING**

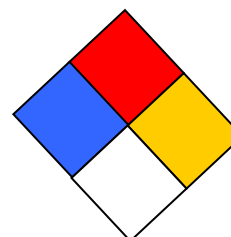
**EMERGENCY PLAN:** Not Applicable

**OTHER REGULATION :** Not Applicable

## 16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	1
Reactivity :	0
Personal Protection :	X

### NFPA CODES



**REVISION INDICATOR :** Not Applicable

**MANUFACTURER DISCLAIMER :** Coating & Foam Solutions, LLC (CFS) warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, NO GUARANTY, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICENCY OF ANY INFORMATION, OR AS TO THE MERCHANTABILITY OR SUITABILITY OR FITNESS OF ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS OR THE USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. THE USER SHOULD CONDUCT SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE. Liability of CFS for all claims, whether arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, the user should obtain detailed information on toxicity, together with proper shipping, handling, and storage procedures, and comply with all applicable safety and environmental standards. Toxicity and risk characteristics of chemical compounds and other products may differ when used with other materials or in a manufacturing or other process. Those risk characteristics should be determined by the user and made known to handlers, processors, and end users.