

Safety Data Sheet

LL10 & LL20 Water Repellents

SDS Revision Date:

07/24/2024



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

Company Name

Karnak Corporation

330 Central Ave.

Clark, NJ 07066 USA

Customer Service: Karnak Corporation

800-555-2121 / karnakcorp.com

Emergency VelocityEHS (USA)

(800) 255-3924

24 hour Emergency Telephone No.

Outside U.S., Canada, Puerto Rico, U.S. Virgin Islands 1-813-248-0585

Australia 1-300-954-583; Brazil 0-800-591-6042; China 400-120-0751;

India 000-800-100-4086; Mexico 800-099-0731

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

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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.

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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, CO₂, 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.

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LARGE SPILL: For major spills call VelocityEHS 800-255-3924)

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.

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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

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VAPOUR DENSITY: Heavier than air

SPECIFIC GRAVITY: 0.96 g/cm³

% 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

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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

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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

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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

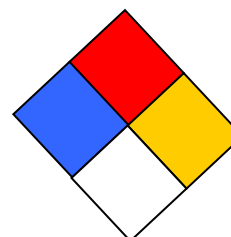
EMERGENCY PLAN: Not Applicable

OTHER REGULATION : Not Applicable

16. OTHER INFORMATION

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

NFPA CODES



REVISION INDICATOR : Not Applicable

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