Safety Data Sheet
670 Karna-Sil (Low VOC)

SDS Revision Date: **6/2/2015**

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 670 Karna-Sil (Low VOC Silicone Coating)

PRODUCT CODE: 670 Karna-Sil (Low VOC Silicone Coating)
SYNONYMS:
CAS NUMBER:
PRODUCT USE: See Technical Data Sheet

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 : Colored liquid
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 by inhalation.
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

PICTOGRAMS

SIGNAL WORD : Warning

HAZARD STATEMENTS : Flammable. Harmful if swallowed.

PRECAUTIONARY STATEMENTS : Keep away from sources of ignition.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Polydimethysiloxane, Dihydroxy Terminated	35% to 40%	70131-67-8
Cystalline Sodium Potassium Aluminosilicate	30% to 35%	14808-60-7
Petroleum Spirits	15% to 20%	64475-85-0 /
Titanic Anhydride	5% to 10%	13463-67-7 / 21645-51-2 / 7631-86-9
N-[3-(Trimethoxysilyl)propyl]ethylenediamine	0% to 5%	1760-24-3 / 67-56-1

* 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."

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.

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 form 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.

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 : If exposure can exceed the PEL/TLV, 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 : Viscous liquid

COLOR : White,Gray,Tan, ect.

ODOUR : Petroleum odor

ODOUR THRESHOLD : Not Applicable

pH : Not Applicable

MELTING POINT : Not Applicable

BOILING POINT : 310 - 385°F

FLASH POINT AND METHOD : >108°F (COC) ASTM D-92

EVAPORATION RATE : Slower than ether

FLAMMABILITY(Solid/Gas) : Not Applicable

FLAMMABLE LIMITS : Not Applicable TO Not Applicable

VAPOUR PRESSURE : Not Determined

VAPOUR DENSITY : Heavier than air

SPECIFIC GRAVITY : Not Applicable

% SOLUBILITY IN WATER :

OCTANOL/WATER PARTITION COEFFICIENT : Not Applicable

AUTO-IGNITION TEMPERATURE : Not Applicable

DECOMPOSITION TEMPERATURE : Not Applicable

POUR POINT : Not Applicable

MOLECULAR FORMULA :

% VOLATILE : Not Applicable

VISCOSITY : Not Applicable

MOLECULAR WEIGHT :

10. STABILITY AND REACTIVITY

STABLE : Yes

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

11. TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE : Dizzyness 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 : Not Applicable

CHRONIC EFFECTS : Not Applicable

ACUTE TOXICITY VALUES : Not Applicable

SYMPTOMS OF RELATED

PHYSICAL : Not Applicable

CHEMICAL : Not Applicable

TOXICOLOGICAL CHARACTERISTICS : Not Applicable

DELAYED AND IMMEDIATE EFFECTS : Not Applicable

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not Applicable

PERSISTENCE AND DEGRADABILITY : Not Applicable

BIO-ACCUMULATIVE POTENTIAL : Not Applicable

MOBILITY : Not Applicable

OTHER ADVERSE EFFECTS : Not Applicable

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

DISPOSAL METHOD: This product has been tested and found to have a flash point below 140°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).

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

SPECIAL PRECAUTIONS : Not Applicable

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENRS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: This material does not contain any substances in the list of Toxic Chemicals subject to Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III), in excess of the applicable de minimis concentrations as specified in Section 372.38 (a).

FIRE : Yes **PRESSURE GENERATING :** No

REACTIVITY : No **ACUTE :** Yes **CHRONIC :** Not Applicable

313 REPORTABLE INGREDIENTS:

Reportable Component	CAS No	Weight % (+ 2%)
Crystalline Silica	14808-60-7	31 (as respirable dust only, not while in liquid form)

302/304 EMERGENCY PLANNING

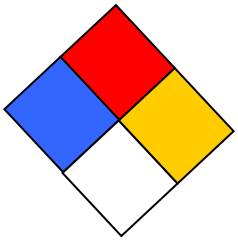
EMERGENCY PLAN: Not Applicable

OTHER REGULATION : Not Applicable

16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	2
Reactivity :	0
Personal Protection :	G

NFPA CODES



REVISION INDICATOR : 1.0

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