



HAZARD RATING	Fire		
4 - EXTREME		0	
3 - HIGH	Health	1	0
2 - MODERATE			Reactivity
1 - SLIGHT			
0 - INSIGNIFICANT			Special

SECTION 1 - PRODUCT IDENTIFICATION

IDENTITY:

Karna-Flex WB

MANUFACTURER:

Material Safety Data Sheet

Date: April 29, 2009

24 HR. CHEMTREC EMERGENCY #: 1-800-424-9300
(OUTSIDE THE U.S. & CANADA: 1-202-483-7616)

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Components	CAS#	Weight %	OSHA PEL	ACGIH TLV	Other Limits Recommended
Acrylic Polymer	Mix, Propriety	30-50	NA	NA	NA
Titanium Dioxide	13463-67-7	5-25	10 mg/m ³	10 mg/m ³	NA
Calcium Carbonate	1317-65-3	0-5	5 mg/m ³	10 mg/m ³	NA
Fused Silica	60676-86-0	0-5	0.1mg/m ³	0.1mg/m ³	NA
Silicates	Mix, Propriety	0-3	N/A	N/A	NA
Ethylene Glycol	107-21-1	0-2	120 ppm	100 ppm	NA
Water	7732-18-5	20-45	N/A	N/A	NA
Ammonia	7664-41-7	0-.1	NA	25 ppm	NA
Residual Monomer(s)	Not Required	0-.1	NA	NA	NA

PEL = Permissible Exposure Limits
TLV = Threshold Limit Value
N.E. = Not Established
Not Applicable.

OSHA = Occupational Safety and Health Administration
ACGIH = American Conference of Governmental Industrial Hygienists
NIOSH = National Institute for Occupational Safety and Health N.A. =

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects:

Fumes from product can be unpleasant, may cause nausea, headache and irritating to eyes, skin, and respiratory tract.

SECTION 4 - FIRST AID MEASURES

- Eye Contact:** If this product comes in contact with eyes, Flush eye with plenty of water for at least 15 minutes and seek medical attention.
- Skin Contact:** If this product comes in contact with skin, remove material with mineral oil, then wash with soap and plenty of water. Remove contaminated clothing.
- Inhalation:** If respiratory discomfort occurs, remove to fresh air. If discomfort continues, administer oxygen and get medical attention.
- Ingestion:** If swallowed, do not induce vomiting. Give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

- Flash Point** Noncombustible
- Dust Explosivity Limits:** Not Applicable.
- Extinguishing Media:** Carbon dioxide (CO₂), foam, or dry chemical. Water may be used to Cool containers exposed to heat.
- Fire Fighting Instructions:** Minimize breathing vapors, gases or fumes of decomposition products. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
- Unusual Fire Hazards:** Material may foam if heated above 212°F. Dried product can burn.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Dike or contain spill with earth, floor dry, sand etc. Ventilate the area. Absorb spill with suitable absorbent material and place in a closed container. Appropriate protective equipment must be worn when handling a spill of this material.

Keep product out of sewers and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers or waterways. Assure conformity with applicable governmental regulations.

SECTION 7 - HANDLING AND STORAGE

Vapors are heavier than air and may travel along the ground or be moved by ventilation to locations distant from the point of material handling. To prevent from entering buildings or confined areas, close all air intake sources near the material handling or the work area.

Avoid prolonged or repeated inhalation of vapors or spray mists. Avoid prolonged or repeated skin contact. Adhere to good hygienic practices. Use with adequate ventilation.

Store in a cool, dry place, out of direct sunlight and away from heat, sparks, and flame. Do Not Freeze. Do not store near food, feed, or drinking water.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection: Use supplied-air respirator in confined areas or with vapors in high concentrations.

Ventilation: Local Exhaust: In enclosed areas. Special: None
Mechanical: In enclosed areas. Other: None

Eye Protection: Safety glasses or face shield for liquid material.

Protective Gloves: Solvent impervious gloves.

Other Protective Clothing Equipment: Long sleeves and impervious clothing to protect against splashing.

Work/Hygienic Practices: See Section 7.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Milky, slight Ammonia odor		
Vapor Pressure:77°F	17mm of hg@20°C/68°F water		
Boiling Point:	Variable	Evaporation Rate (Butyl Acetate=1)@ 77°F:	<1
Melting Point (R & B):	Variable	Vapor Density (Air = 1):	>1
Solubility in water:	Soluble	Flash Point (PMCC):	NA see sec. 5
Specific Gravity (H₂O=1):	>1		

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Auto-ignition temperature unknown.
Incompatibility (Materials to Avoid):	There are no known materials that are incompatible with this product. Avoid Freezing
Hazardous Polymerization:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product may cause respiratory irritation, headache, dizziness, nausea and vomiting. Prolonged or repeated contact with skin may cause dermatitis.

Carcinogenicity: No NTP?: No IARC Monographs?: No OSHA Regulated?: No

SECTION 12 - ECOLOGICAL INFORMATION

EPA Hazard Classification Code:

Acute Hazard: ____ Chronic Hazard: ____ Fire Hazard: ____ Pressure Hazard: ____

Reactive Hazard: ____ Not Applicable: X

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate regulations, for additional description requirements.

DOT Shipping Name: NON-Regulated

DOT Label Information: NA

DOT Hazard Class: NA

DOT Packing Group: NA

SECTION 15 - REGULATORY INFORMATION

SARA TITLE III - EPA Regulation 40 CFR 302 (CERCLA Section 102); CFR 355 (SARA Section 301-304); CFR 372 (SARA Section 311-313) - NOT APPLICABLE.

EPA HAZARD CLASSIFICATION CODE: Acute Hazard/Chronic Hazard/Fire Hazard/Pressure Hazard/Reactive

Non-Hazardous - NOT APPLICABLE.

TSCA, CANADIAN DSL: Yes

SECTION 16 - OTHER INFORMATION

Special Precautions:

Do not allow to freeze
Do not store in excess of 140°F

Revision Statement:

This Material Safety Data Sheet has been revised to follow the ANSI Z400.1 standard.

Supersedes:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The information has been completed to the best of our knowledge and is believed to be accurate and reliable as from the date indicated. However, no warranty is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy oneself as to the suitability and completeness of such information for his own particular use.