

# SAFETY DATA SHEET

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Date Revised: 3/21/16

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===== SECTION 1 - IDENTIFICATION =====

MANUFACTURER: SIERRA CORP/TK PRODUCTS      EMERGENCY PHONE: 1-800-424-9300  
ADDRESS : 11400 WEST 47TH STREET      INFORMATION PHONE: (952)938-7223  
          MINNETONKA, MN 55343      NAME OF PREPARER : Safety Director  
PRODUCT NAME: HMWMA BRIDGE DECK SEALER  
PRODUCT CODE: TK-2415

===== SECTION 2 - HAZARDS IDENTIFICATION =====

HAZARD RISK CLASSIFICATION

SIGNAL WORD: DANGER

PICTOGRAM:

GHS02 - FLAME    GHS05 - CORROSION    GHS06 - SKULL AND CROSSBONES    GHS07 -  
EXCLAMATION MARK    GHS08 - HEALTH HAZARD    GHS09 - ENVIRONMENT

HAZARD CLASS

HAZARD CATEGORY

SELF-REACTIVE SUBSTANCES  
AND MIXTURES

TYPES C AND D

ACUTE TOXICITY

CATEGORY 3 INHALATION

ACUTE TOXICITY

CATEGORY 4 ORAL

ACUTE TOXICITY

CATEGORY 4 DERMAL

SKIN CORROSION /

CATEGORY 1

IRRITATION

SERIOUS EYE DAMAGE /

CATEGORY 2B

EYE IRRITATION

SKIN SENSITIZER

CATEGORY 1

TOXIC TO SPECIFIC TARGET ORGAN

CATEGORY 2

TOXICITY - REPEATED EXPOSURE

HAZARDOUS TO THE AQUATIC

CHRONIC 2

ENVIRONMENT LONG-TERM (CHRONIC)

HAZARD STATEMENTS:

H242            Heating may cause fire  
H302+H312      Harmful if swallowed or in contact with skin  
H313            May be harmful in contact with skin  
H314            Causes severe skin burns and eye damage  
H316            Causes mild skin irritation  
H317            May cause allergic skin reaction  
H320            Causes eye irritation  
H331            Toxic if inhaled  
H373            May cause damage to organs through prolonged or repeated  
exposure.  
H411            Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:

PREVENTION:

P210            Keep away from heat/hot surfaces/sparks/open flames and other  
sources of ignition. No smoking.  
P220            Keep/Store away from clothing/textiles/and other combustible  
material.  
P234            Keep only in original packaging.  
P260            Do not breath dusts/fume/gas/mist/vapors or spray.  
P264            Wash hands and any exposed area thoroughly after handling.  
P270            Do not eat, drink or smoke while using this product.

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P271 Use only outdoors or in well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective impervious gloves/ OSHA approved eye protection/face protection.

## RESPONSE:

P301+P310 If swallowed: Immediately call a Poison Center / doctor.  
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).  
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P321 Specific treatment (see on this label)  
P330 Rinse mouth.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire: Use carbon dioxide (CO2), powder, alcohol-resistant foam to extinguish.

## STORAGE:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P411 Store at a temperature not exceeding . . . °C / . . . °F.  
P420 Store separately.

## DISPOSAL:

P501 Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT	EXPOSURE LIMITS		
		PERCENT	OSHA PEL	ACGIH TLV	OTHER
* Trimethylpropane trimethacrylate	27813-02-1	75-90			
* Hexanediol Diacrylate	13048-33-4	10-25			
* Cumene Hydroperoxide	80-15-9	1-10			
NOT ESTABLISHED					

\* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.

## PRIMARY ROUTES OF EXPOSURE:

Skin contact.

## EFFECTS OF ACUTE EXPOSURE:

EYES: Direct contact with eyes may cause irritation.

SKIN: Prolonged or repeated contact may cause irritation. INHALATION: Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

## CHRONIC HEALTH EFFECTS:

Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

## MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

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No known effects on other illnesses.

## SECTION 4 - FIRST AID MEASURES

**EYES:** Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

**SKIN CONTACT:** Wash contaminated area with soap and water. Remove and launder contaminated clothing.

**INGESTION:** If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

**INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

## SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** Greater than 200 F

**METHOD USED:** PMCC

**FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER:** n/a

**UPPER:** n/a

### EXTINGUISHING MEDIA:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

### SPECIAL FIREFIGHTING PROCEDURES:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Do not let uncured spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear appropriate protective equipment.

## SECTION 7 - HANDLING AND STORAGE

### HANDLING INFORMATION:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communication Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

### STORAGE INFORMATION:

Keep containers tightly closed. Use and store material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post "No smoking or open flame" sign. Store only in approved containers. Keep away from incompatible materials (see section 10). Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

### OTHER PRECAUTIONS:

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

### VENTILATION:

General room ventilation is adequate.

### PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

### EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

### WORK/HYGIENIC PRACTICES:

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Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid  
**COLOR:** Clear (Water white)  
**ODOR:** Amine or ammonia odor  
**SOLUBILITY IN WATER:** Dilutable  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.03  
**VAPOR DENSITY:** Heavier than air.  
**BOILING RANGE:**  
**EVAPORATION RATE:** Slower than nBuAc  
**COATING V.O.C.:** 2 g/l (0.02 lb/gal)

## SECTION 10 - STABILITY AND REACTIVITY DATA

**STABILITY:**  
Stable under normal conditions and handling.  
**CONDITIONS TO AVOID:**  
None known  
**INCOMPATIBILITY (MATERIALS TO AVOID):**  
None known. Materials which are not compatible with water or ordinary organics will not be compatible with this material.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**  
Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

**HAZARDOUS POLYMERIZATION:**  
Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**SENSITIZATION:**  
None known.  
**CARCINOGENICITY:**  
There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.  
**REPRODUCTIVE TOXICITY:**  
There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.  
**TERATOGENICITY (BIRTH DEFECTS):**  
There is no data available to indicate any components present at greater than 0.1% may cause birth defects.  
**MUTAGENICITY:**  
There is no data to indicate that any component present at greater than 0.1% will alter DNA.

## SECTION 12 - ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:**  
Contains ammonia or amines which may be toxic to aquatic life.

## SECTION 13 - DISPOSAL CONSIDERATIONS

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

## SECTION 14 - TRANSPORT INFORMATION

**SHIPPING NAME:**  
UN3109, Organic Peroxide Type F, Liquid (Cumyl Hydroperoxide), 5.2(8), II UN1139, Coating Solution, 3, III

## SECTION 15 - REGULATORY INFORMATION

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

This product does not contain a chemical subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372) above de minimis concentrations.

**STATE SPECIFIC REQUIREMENTS:**  
This product does not contain a chemical known to the state of California to cause cancer, birth defects or reproductive harm, subject to the requirements of California Proposition 65.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE	.
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=====SECTION 16 - OTHER INFORMATION=====

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HMIS CODES: H	F	R	P
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