

SAFETY DATA SHEET

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Date Revised: 11/22/93

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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: TK-TRI-MIX
PRODUCT CODE: TK-TRI-MIX

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

HAZARD RISK CLASSIFICATION

SIGNAL WORD: WARNING

PICTOGRAM:

GHS05 - CORROSION GHS07 - EXCLAMATION MARK GHS08 - HEALTH HAZARD

HAZARD CLASS	HAZARD CATEGORY
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ACUTE TOXICITY	CATEGORY 4 ORAL
ACUTE TOXICITY	CATEGORY 4 DERMAL
SKIN CORROSION / IRRITATION	CATEGORY 1
TOXIC TO SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	CATEGORY 3

HAZARD STATEMENTS:

H302+H312 Harmful if swallowed or in contact with skin
H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation
Chemical(s) which may be considered a cancer hazard by IARC and/or NTP.
Refer to section 11 for further information.

PRECAUTIONARY STATEMENTS:

PREVENTION:

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.
P271 Use only outdoors or in well-ventilated area.
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.
P302+P350 If on skin: Wash with plenty of soap and water.
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.
P310 Immediately call a POISON CENTER/doctor/ emergency responder.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label)
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.

STORAGE:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

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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
#* Microcrystalline Silica (Quartz)	14808-60-7	52.0		10 MG/M3	0.05 MG/M3
Portland Cement	68997-15-1	25-50		15 MG/M3	10 MG/M3 NUISANCE DUST
Calcium Carbonate	1317-65-3	10-25		15 MG/M3	10 MG/M3 NUISANCE DUST

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

PRIMARY ROUTES OF EXPOSURE:

Skin contact, eye contact, and inhalation.

EFFECTS OF ACUTE EXPOSURE:

EYES: Direct contact with eyes may cause irritation.

SKIN: Prolonged or repeated contact may cause irritation. **INHALATION:** Brief exposures to nuisance dust concentrations above the 8-hour recommended TLV should pose no acute health problems.

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:

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:

METHOD USED: n/a

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

UPPER: n/a

EXTINGUISHING MEDIA:

This product is not a fire hazard in powder or slurry form, special fire fighting procedures or extinguishing media are not applicable

SPECIAL FIREFIGHTING PROCEDURES:

None.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

This material is not classified as a hazardous waste, substance or toxic pollutant. Use normal waste disposal procedures which are in compliance with federal, state and local regulations.

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

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protection is advised when spraying because of mist and dust overspray.

STORAGE INFORMATION:

No special requirements. 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:

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: Solid (powder)

COLOR: White

ODOR: Odorless.

SOLUBILITY IN WATER: Insoluble/Negligible

SPECIFIC GRAVITY (H₂O=1): 2.81

VAPOR DENSITY: n/a

BOILING RANGE: n/a

EVAPORATION RATE: n/a

COATING V.O.C.: 0 g/l (0.0 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.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Reacts with acids to liberate Carbon Dioxide.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

SENSITIZATION:

None known.

CARCINOGENICITY:

The indicated chemical(s) is listed by ICGIH, NTP, or OSHA as a known human carcinogen (See section 2). IARC has classified respirable crystalline silica in the form of quartz or cristobalite as a group 1 carcinogen. NTP classifies respirable crystalline silica as "reasonably anticipated to be a carcinogen". Because this product is a free flowing liquid, dust inhalation is not an expected route of exposure.

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:

Although no information is available for this specific product mixture, individual components may by themselves may have

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ecological affects.

=====**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:

Not regulated.

=====**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 contains a chemical(s) known to the state of California to cause cancer, birth defects or reproductive harm, which are subject to the requirements of California Proposition 65.

This product contains Crystalline Silica, which when in the respirable form is a chemical known to the state of California to cause cancer, 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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