

Cooper Cameron Corporation: MSDS for KEY Tite Pipe Joint Compound

#1

MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMEANY IDENTIFICATION	
COMMON NAME	KEY Tite Joint Compound
CHEMICAL NAME	Not Applicable - Mixture
FORMULA	Not Applicable - Mixture
PRODUCT CAS NO	Not Applicable - Mixture
SUPPLIER	Cooper Cameron Corp./Cameron Division
ADDRESS	19500 South Main
CITY/STATE/ZIP	Missouri City, TX 77468
PHONE	(713)498-8511
	Emergency Phone: (713)499-8511

INGREDIENTS/COMPOSITION/INFORMATION					LD 50/LC 50 ROUTE/SPECIES
INGREDIENT	% WEIGHT	PEL-OSHA	TLV-ACGIH		
Talc (1) CAS No.: 14807-96-6 RTECS: WW2710000	45-50	20 mppcf 2 mg/m ³ (resp.)	2 mg/m ³ (resp.)		No Data
Polymerized linseed oil CAS No.: 6748-08-1 RTECS: No Data	15-20	5 mg/m ³ (2) (as oil mist)	5 mg/m ³ (2) 10 mg/m ³ (celling) (as oil mist)		No Data
Severely hydrotreated petroleum distillate CAS No.: Mixture RTECS: Mixture	10-12	5 mg/m ³ (2) (as oil mist)	5 mg/m ³ (2) 10 mg/m ³ (celling) (as oil mist)		No Data
Linseed oil CAS No.: 8001-26-1 RTECS: O19690000	8-10	5 mg/m ³ (2) (as oil mist)	5 mg/m ³ (2) 10 mg/m ³ (celling) (as oil mist)		No Data
Mineral Spirits CAS No.: 64742-48-9 RTECS: No Data	3-4	500 ppm 100 ppm (2)	100 ppm (as Stoddard solvent)		No Data

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INGREDIENTS/COMPOSITION/INFORMATION (CONTINUED)					LD 50/LC 50 ROUTE/SPECIES
INGREDIENT	% WEIGHT	PEL-OSHA	TLV-ACGIH		
Mica (1) CAS No.: 12001-28-2 RTECS: VV8760000	2-3	20 mppcf 3 mg/m ³ (2) (respirable)	3 mg/m ³ (respirable)		No Data
Graphite (1) CAS No.: 7782-42-6 RTECS: MD9696000	1-2	15 mppcf 2.5 mg/m ³ (2) (respirable)	2 mg/m ³ (respirable)		No Data
Iron oxide hydrate CAS No.: 51274-00-1 RTECS: No Data	1-2	10 mg/m ³ (Fe ₂ O ₃ as Fe)	5 mg/m ³ (Fe ₂ O ₃ as Fe)		No Data

(1) The mica and graphite contained in this product contains crystalline silica. When crystalline silica content of the mica or graphite is equal to or greater than 1%, exposure limits for crystalline silica apply. While the crystalline silica content of the graphite and mica may exceed 1%, the product as a whole, contains < 1% crystalline silica.

(2) 1989 Updated PELs effectively vacated by a July 1992 decision by the U.S. Court of Appeals for the Eleventh Circuit (AFL-CIO v. OSHA, 885 F.2d; 11th Cir., 1992).

(3) As sampled by method that does not collect vapor

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Combustible green cement silicate with increased odor in high usage areas and skin irritation. Inhalation of fumes and dusts may result in CNS depression and chemical pneumonitis. Hazards normally associated with all graphite-chemical materials are not anticipated. This should not be released during normal usage.

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POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE OF ENTRY: Skin

EYE: May cause irritation.

SKIN: Prolonged or repeated contact may cause irritation, skin dryness or dermatitis.
INGESTION: Accidental ingestion may cause nausea and have a laxative effect. Vomiting following ingestion may result in aspiration of this product into the lungs. Aspiration can cause edema and chemical pneumonitis.

INHALATION: Inhalation not anticipated. Mists or fumes from heated product may cause pneumonitis or central nervous system(CNS) depression.

CHRONIC: Repeated contact over time may cause dermatitis. Repeated inhalation of talc, mica, and graphite (if released) may cause pneumoconiosis.

TARGET ORGANS: Eyes, skin, respiratory system

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate pre-existing skin conditions.

SIGNS AND SYMPTOMS: General eye, skin and respiratory/irritation. Inhalation of fumes may cause headache, incoordination, dizziness, and nausea (CNS effects).

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

HAZARD MEASURES

EYE CONTACT: Immediately flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

SKIN CONTACT: Wash thoroughly with soap and water. If irritation persists, seek medical attention.
INHALATION: Inhalation is not anticipated under normal working conditions. If overcome by mists or fumes from heated product, remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek immediate medical attention.

OTHER: If accidental ingestion occurs, do not induce vomiting. If ingestion is substantial or spontaneous vomiting occurs, seek immediate medical attention.

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FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: 605°F(325°C)

NEPH/HAZARD CLASSIFICATION

HEALTH: IRRITANT

FLAMMABLE LIMITS

LEL: No Data

UEL: No Data

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water

FIRE AND EXPLOSION HAZARDS: Class IIIA Combustible liquid. Continue to cool fire-exposed containers after flames are extinguished. Thermal decomposition may produce magnesium, iron, and other metal oxides, silicon dioxide, oxides of carbon, trace amounts of phosphorus and sulfur oxides, small amounts of aromatic and aliphatic hydrocarbons and other oxidation products.

FIRE FIGHTING EQUIPMENT: Firefighters should wear a NIOSH/MSHA-approved full-facepiece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout gear.

ACCIDENTAL RELEASE MEASURES

Spill area. Extinguish ignition sources. Do not walk through spilled material. Scoop or wipe up spilled material. Place product residue in clean, dry, closed container for later disposal. Wear appropriate protective equipment including gloves and aprons (respirators and goggles if necessary) for clean-up. All product residue should be thoroughly removed with detergent or suitable degreaser to prevent slipping. Air oxidation of linseed oil may result in spontaneous combustion. To avoid spontaneous ignition, soak soiled rags and wastes in water-filled metal containers.

HANDLING AND STORAGE

Store in cool, dry area away from incompatible materials in closed containers. Avoid skin contact. Avoid prolonged or repeated skin contact. Avoid eye contact. Launder contaminated clothing clean shoes thoroughly before reuse. Wash thoroughly after handling and before eating, drinking, smoking or using restroom. Keep containers closed when not in use. Store in cool dry area away from incompatible materials. If this product is heated to 130 °F it must be handled as a Class II liquid.

EXPOSURE CONTROLS/PERSONAL PROTECTION

SKIN: Gloves are recommended as product may be difficult to remove from the skin.

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EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

RESPIRATORY PROTECTION: Under normal working conditions below acceptable exposure guidelines, none required. If exposure in excess of the TLV or PEL is anticipated, respiratory protection in accordance with 29 CFR 1910.134 should be worn.

EYE PROTECTION: Chemical protective goggles should be worn where contact is anticipated.

PERSONNEL SAMPLING PROCEDURE:

- Air sampling for oil mist: Pre-weighed 5.0 µm polyvinyl chloride filter (NIOSH 5028)
- Air sampling for talc: Pre-weighed 5.0 µm polyvinyl chloride filter (NIOSH 0500, total; NIOSH 0600, respirable, non-asbestos containing)
- Air sampling for mica and graphite (natural, respirable): Pre-weighed 5.0 µm polyvinyl chloride filter (OSHA ID 142)
- Air sampling for mineral spirits: Coconut charcoal solid sorbent tube (NIOSH 1550)
- Air sampling for iron: 0.8 µm mixed cellulose ester filter (NIOSH 7300)

ENGINEERING CONTROLS: General ventilation. Where it is necessary to remove product residue with solvents, local exhaust ventilation and appropriate precautions should be used.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Semi-solid green liquid

ODOR: Unseed

BOILING POINT: No Data

VAPOR DENSITY: Not Applicable

SOLUBILITY IN WATER: > 1%

SOLUBILITY IN HYDROCARBON SOLVENTS: 45%

SPECIFIC GRAVITY: < 1

RELATIVE VISCOSITY: < 4%

EVAPORATION RATE: > 4%

STABILITY AND REACTIVITY

STABILITY: Stable.

INCOMPATIBILITY: Soluble with hydrocarbon solvents. Incompatible with strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

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STABILITY AND REACTIVITY (CONTINUED)

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce magnesium, iron, and other metal oxides, silicon dioxide, oxides of carbon, trace amounts of phosphorus and sulfur oxides, small amounts of aromatic and aliphatic hydrocarbons and other oxidation products.

TOXICOLOGICAL INFORMATION

SKIN: Mineral spirits may dry and defat skin causing cracking.

EYE: Exposure to talc is said to have induced conjunctival inflammation (filling of cloth) and granulomas in and about the eye (dusting powder for surgeons' gloves).

INHALATION: Massive accidental inhalation of talc has resulted in respiratory distress syndrome in children. Acute bronchitis and bronchiolitis were found in a 22 month old boy who died following accidental inhalation of talc.

CHRONIC: Inhalation of pure talc has caused chronic bronchitis and interstitial inflammation with small irregular nodules typical of small airway obstruction. Diaphragmatic plaques and chronic progressive lung fibrosis have not been documented to be caused by talc alone. Pneumoconiosis in graphite workers resembles coal workers' pneumoconiosis. Natural graphite contains crystalline silica. Data indicates that the crystalline silica acts to exacerbate rather than cause graphite pneumoconiosis.

OTHER: Talc has induced severe granulomatous reactions when introduced into wounds or used in the operative field.

ECOLOGICAL INFORMATION

Environmental fate and ecotoxicity data was not available for product.

DISPOSAL CONSIDERATIONS

Recycle, reclaim and dispose of in accordance with applicable local, state, and federal regulations. Dispose per 40 CFR Part 261 and 262.

TRANSFORM INFORMATION

DOT: PROPER SHIPPING NAME: Combustible liquid, n.o.s. (Mineral spirits, Linseed oil)

UN NUMBER: NA1893

CLASS/DIVISION: Combustible liquid

LABEL: None

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REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200: Product is hazardous under the criteria of this rule.

SARA TITLE III INFORMATION: Ingredients contained in this product are not listed under sections 313, 302, or 304 of the 1980 Superfund Amendments and Reauthorization Act.

CALIFORNIA PROPOSITION 65: The mica and graphite contained in this product contain crystalline silica, an ingredient known to the State of California to cause cancer.

OTHER INFORMATION

- ACGIH: American Conference of Governmental Industrial Hygienists
- IARC: International Agency for Research on Cancer
- NIOSH: National Institute for Occupational Safety and Health
- NTP: National Toxicology Program
- MSHA: Mine Safety and Health Administration
- OSHA: Occupational Safety and Health Administration
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit

DISCLAIMER

This information is provided as a service to our customers and is not intended to constitute an offer of insurance or any other financial product. It is not intended to be used as a substitute for professional advice. The information has been prepared for the general public and does not constitute an offer of insurance or any other financial product. Cooper Cameron Corporation, 10000 West 10th Avenue, Denver, CO 80231. Cooper Cameron Corporation, 10000 West 10th Avenue, Denver, CO 80231. Cooper Cameron Corporation, 10000 West 10th Avenue, Denver, CO 80231.