



Approved By US Labor Dept, Essentially Similar To Form OSHA 174.

Important: Read this MSDS before handling and disposing of this product. Pass this information to employees, customers and users of this product.

Section 1 - Chemical Product and Company Identification/Hazard Ratings

Product Identity: Sure Spike

Distributor:
Railroad Solutions
100 S. Santa Fe Drive
Denver, CO 80223

Distributor Phone:
303-777-9692

Chemtrec Phone:
1-800-424-9300

Section 2 - Ingredient and Regulatory Information

Contains: Hydrocarbon - Black Solid, Silican Dioxide.

Section 3 - Hazards Identification

Threshold Limit Value: None Known

Caution: Avoid Breathing Dust or Fumes. Avoid Prolonged or Repeated Contact With Skin.

Acute Hazards

Eye and Skin Contact:

This substance may cause eye irritation due to the abrasive action of the dust. The degree of the injury will depend on the amount of material that gets into The eye and the speed and thoroughness of the first aid treatment. Signs and symptoms, may include pain, tears, swelling, redness, and blurred vision. This substance is not expected to cause prolonged or significant skin irritation.

Inhalation:

Shortness of breath on effort, difficulty breathing, coughing, phlem production, getting more colds or infection than usual. May cause irritation to respiratory tract including the lungs. Avoid breathing fumes, or air-borne dust.

Swallowing:

May cause irritation to gastrointestinal tract.

Chronic Hazards / Conditions Aggravated

Chronic Hazards:

This product contains silicone dioxide which in the form of fume or airborne. Dust may cause silicosis. See "cancer and Reproductive Damage Hazards".

Conditions Aggravated:

Persons with breathing and skin disorders should avoid use.

Cancer and Reproductive Damage Hazards

Cancer and Reproductive Damage Hazards:

This material contains Silicon Dioxide which in the form of fume or air- borne dust may cause silicosis, which may lead to cancer.



Section 4 - First Aid Measures and Procedures

Eye Contact:

Flush eyes with large amounts of water for at least 15 minutes, lifting eyelids to ensure complete flushing of the surface. Get medical attention if irritation develops and persists.

Skin Contact:

If on skin should molten material strike the skin, flush with cold water. Do not forcibly remove material adhering to the skin. Thoroughly wash exposed area with mineral oil, then flush with Water. Get medical attention immediately. Remove contaminated Clothing.

Inhalation:

Remove to fresh air. If breathing stops, give artificial respiration. If breathing is labored, have qualified personnel give oxygen. Seek immediate medical attention.

Swallowing:

Not expected to be an ingestion problem. Never give anything by mouth to an unconscious or Convulsing Person.

Section 5 - Fire Fighting Measures

Not Applicable

Lower Flammable limit in air (% by vol): 599°F/>315°C(COC)

Flash Point (Test Method): Class III - B

Flammability Classification:

Extinguishing Media: Regular foam, carbon dioxide (CO2) OR DRY CHEMICAL.

Special Fire Fighting Procedures:

Approach fire from upwind side. Avoid breathing smoke, fumes, mist, Or vapors on downwind side. Do not enter fire area without full bunker equipment , including NIOSH. Approved Positive Pressure Breathing Equipment and full face piece.

Unusual Explosion and Fire Procedures:

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid. Containers may be ruptured from internal pressure if confined to fire area. Get nonessential persons out of area.

Section 6 - Accidental Release Measures

Containment and Clean-Up Procedures:

Small spill - scoop or scrape up. Put in container for recovery or disposal.

Large spill - Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product . Transfer contaminated absorbent, soil and other materials to containers for disposal.

Section 7 - Handling And Storage

Handling:

Keep away from heat and open flame. Use with adequate ventilation. Avoid breathing fumes, and air-borne dust. Wash thoroughly after handling.

Storage:

Store in a cool ventilated area. Keep container closed.



Exposure Controls:

If workplace exposure limit(s) of product or any component is exceeded or in the absence of proper environmental control, use NIOSH approved respirator or chemical filter mask to prevent overexposure. OSHA regulations also permit other NIOSH / MSHA respirators (Negative Pressure Type) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure. Avoid prolonged or repeated breathing of vapors.

Ventilation:

Use sufficient local exhaust and general mechanical ventilation to maintain Exposure below TLV(s).

Personal Protections:

Avoid contact with eyes. Wear safety glasses or goggles as necessary. Avoid prolonged or repeated contact with skin. Wear chemically resistant gloves (Neoprene Nitrile Rubber). Use other impermeable clothing and personal protective equipment to prevent contact.

Section 8 - Reactivity Data

Appearance: Black powder
Odor: Mild
Boiling Range: (Initial Boiling Point) Not Applicable
Gravity @ 60 F: >1.5
Specific Gravity (water=1): >12.5
Pounds / Gallon: 0.0
Voc`s (vapor pressure >0.44 labs/sq in) (lbs/gal): 0.0
Total Volatile Organic compounds (tvoc) (g/l): 0.0
Nonexempt Volatile compounds (cvoc): 0.0
Vapor Pressure (mm of hg) @ 20 C: 0.0
Vapor Density (air = 1): Not Applicable
Water Absorption: Negligible
Volatile By Vol: 0.0

Section 9 - Physical Data

Stability: Stable
Conditions To Avoid: Keep away from heat and open flame.
Material To Avoid: Keep away from strong oxidizing agents and Hydrofluoric Acid.
Hazardous Decomposition Product: Smoke Carbon Monoxide fumes under fire conditions
Hazardous Polymerization: Cannot Occur

Section 10 - Toxicological Information

Sara Title III Ingredients	CAS#	Wt.% (Reg, Section)	RQ (LBS)
Silicon Dioxide	7631-86-9	Not Applicable	None
Hydrocarbon - Black Solid	12002-43-6	Not Applicable	None

Sara Section 311/312 Hazards: None

Material	CAS#	TWA + (OSHA)	TLV (ACGIH)	HAP
Silicon Dioxide	7631-86-9	0.2 mg/m3	0.1 mg/m3	No
Hydrocarbon - Black Solid	12002-43-6	None Known	None Known	No

No components of this product are EPA Hazardous Air Pollutants (HAP).



Mutagenicity: No Information.

Carcinogenicity: No Hazards Detected in mice upon 80 weeks of skin application. No polynuclear aromatics detected. This product contains silica, which in the form of fume, may cause silicosis, which may lead to cancer.

Reproduction: No Information.

Section 11 - Ecological Information

Mammalian Toxicological Data:

Lowest Known Oral LD50: No Information

Lowest Known LC50: No Information

Lowest Known Skin LD50: No Hazard Detected

Marine Toxicity Test Data:

Golden Orfe, Static 48 hour LC50: No Information

Golden Orfe, Static 96 hour LC50: No Information

Ready Biodegradability Modified DECD: No Information

Section 12 - Disposal Considerations

Dispose of according to local, state and federal regulations.

Hazardous waste (40 CFR 261): No.

Section 13 - Transport Information

Dot Proper Shipping Name Name: Not Regulated

Dot Hazard Class: None

Subsidiary Hazard: None

UN/NA Identification: None

Packing Group: None

Reportable Quantity (RQ): None

ER Guidebook Number: None

IMOG Proper Shipping Name: Not Regulated

IATA Proper Shipping Name: Not Regulated

TDC Proper Shipping Name: Not Regulated

Section 14 - Regulatory Information

U.S. Federal Regulations (Environmental Protection Agency)

Sara Title III Section 313 Supplier Notification:

This product does not contain any chemicals subject to the reporting requirements of section 313 of the emergency Planning and Community Right - To - Know Act of 1986 and Of 40 CFR 372. This information must be included in all MSDSs that are copied and Distributed for this material.

SARA 313 Regulated: None

Cercla, TSCA: All components of this product are on the TSCA List.

EPA SARA 311:

Acute Health No

Chronic Health No

Fire No

Sudden Release of Pressure No

Reactive No



State Regulations:

California Proposition 65: This product does not contain any known chemical know to the State of California to cause cancer or reproductive damage.

International Regulations:

The components of this product are listed on the chemical inventories of the Following countries: Australia, Canada, United Kingdom, Europe (EINECS), Japan, Korea.

Section 15 - Other Information

Hazard Ratings:

	Health	Flammability	Reactivity	Other
NFPA	0	1	0	
HMIS	0	1	0	X

This information is intended solely for the use of individuals trained in the NFPA And HMIS systems.

Notice:

The supplier disclaims all expressed or implied warranties of fitness or merchantability for a specific use, with respect to the product , or the information provided herein , except for conformation to contracted specifications. All information appearing herein , is based upon data obtained from manufacturer and / or recognized technical sources. While the information is believed to be accurate , we make no representations as to its accuracy or sufficiency, Conditions of use are beyond our control , and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their use, handling, and disposal of the product.

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