

FIRE TRAK CORP.

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

Products: Fire Trak - Deflection & Firestop Track
 Redi Klip - Deflection Clip
 Posi Klip - Deflection Clip

Chemical Name: Galvanized Steel

Manufacturer: Fire Trak Corp., P.O. Box 485, 104 Cedar Ave. S., Watkins, MN 55389
 Phone: 1-800-394-9875 Fax: 877-374-1928
 Emergency: 800-394-9875 Ext. 13

SECTION II - HAZARDOUS INGREDIENTS

Material	CAS Number	% Weight	OSHA PEL (mg/m3)	ACGIH TVL (mg/m3)
Base Metal				
Iron	7439-89-6	Balance	10 - Iron oxide fume	5 - Iron oxide fume
Alloying Elements				
Aluminum	7429-90-5	0.10 Max	15 Dust 5 Fume	10 Dust 5 Fume
Carbon	7440-44-0	.01 - .25	15 Dust 5 Fume	10 Dust
Manganese	7439-96-5	.10 - .90	5 Fume	5 Dust 1 Fume
Phosphorus	8049-19-2	.15 max	15 Dust 5 Fume	10 Dust 3 Fume
Sulfur	7704-34-9	.05 max	15 Dust 5 Fume	10 Dust 3 Fume
Metallic Coating				
Aluminum	7429-90-5	.02 max	15 Dust 5 Fume	10 Dust 5 Fume
Antimony	7440-36-0	.02 max	0.5	0.5
Iron	7439-89-6	.01 max	10 - Iron oxide fume	5 - Iron oxide fume
Lead	7439-92-1	.002 max	0.05	0.05
Zinc	7440-66-6	.1 - 10.0	15 Dust 5 Fume	10 Dust 5 Fume

SECTION III - PHYSICAL DATA

Appearance: Gray Metallic Color
Boiling Point: N/A
Specific Gravity: 7.5 - 8.5 g/cm³
Solubility in Water: Not Soluble

Melting Point - Base Metal: 2750 F
Melting Point - Coating: 800 F
Softening Point: 2400 F

SECTION IV - HEALTH HAZARD DATA

Steel products in the natural state do not present an inhalation, ingestion, or contact health hazard. However, operations such as welding, burning, sawing, grinding and possibly machining, which results in elevating the temperature of the product to or above its melting point or result in the generation of airborne particulates may present hazards. The above operations should be performed in well ventilated areas. The major exposure hazard is inhalation.

Effects of Overexposure:

Acute: Excessive inhalation of all metallic fumes and dusts may result in irritation of eyes, nose and throat. Also, high concentration of dusts of iron-oxide, manganese, copper and selenium may result in metal fume fever. Typical symptoms consist of metallic taste in mouth, dryness and irritation of throat, chills and fever and usually last from 12 to 48 hours.

Chronic: Chronic and prolonged inhalation of high concentrations of fumes or dust of the following elements may lead to the conditions listed opposite the element.
Iron (iron-oxide) - pulmonary effects, siderosis
Manganese - Bronchitis, pneumontis, lack of coordination.
Lead - Prolonged exposure can cause behavioral changes, kidney damage, periphery neuropathy characterized by decreased hand-grip strength and adverse reproductive effects.
Zinc (zinc-oxide) - See Above

SECTION V - EMERGENCY & FIRST AID PROCEDURES

Inhalation: If acute overexposure to dust or fumes occurs, remove victim from adverse environment and seek medical attention.

Skin Contact: Wash area of contact thoroughly with soap and water. If irritation persist, seek medical attention.

Eye Contact: Flush immediately with running water. If irritation persist, seek medical attention.

Ingestion: N/A

SECTION VI - FIRE & EXPLOSIVE HAZARD OF MATERIAL

Flammability: Not Flammable
Flashpoint: N/A
Auto Ignition Temperature: N/A
Explosion Data: N/A
Means of Extinction: N/A
Rate of Burning: N/A

Special Procedures: N/A
Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Hazardous Combustion Products: N/A
Sensitivity to Static Discharge: N/A

SECTION VII - ENVIRONMENTAL

Spill or Leak Procedures: N/A
Special Precautions: Use good housekeeping procedures to prevent accumulation of dust and to keep airborne dust to a minimum.
Waste Disposal Method: Small pieces, dust, ect.: Follow federal, State and local regulations regarding disposal.

SECTION VIII - REACTIVITY & SPECIAL PROTECTION

Stability: Stable
Conditions to Avoid: Non-ventilated areas when cutting, welding, burning, or brazing. Avoid generation of airborne dusts and fumes - **Keep Area Well Ventilated.**
Hazardous Decomposition Product: Metallic oxide.
Incompatibility: Strong Acids (produce hydrogen gas)
Respiratory Protection: Use NIOSH/NSHA approved organic vapor respirators when vapor concentrations exceed the TVL.
Eye Protection: Personal protective equipment should be worn when there is a reasonable probability of injury. Wear safety glasses with side shields.
Hand Protection: Wear leather or other appropriate work gloves, if necessary for the type of operation.
Other: Protective clothing when needed.

SECTION IX - ADDITIONAL INFORMATION

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