

P.K.K.

Material Safety Data Sheet SLIP PLATE OEM

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Revision Date: 12/10/2004

Section 1: Chemical Product and Company Identification

Product Name: Slip Plate OEM	Product Number: Slip Plate OEM
Manufacturer: Superior Graphite Co. 10 S. Riverside Plaza Chicago, Illinois 60606	Emergency Telephone: 800-535-5053 Information Telephone: 815-788-8891

Section 2: Composition / Information on Ingredients

<u>Hazardous Ingredients</u>	<u>CAS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>%</u>
Graphite, Natural (as respirable dust)	7782-42-5	2.5 mg/m3	2.0 mg/m3	None	Prop.
Silica, Crystalline Quartz (as respirable dust)	14808-60-7	0.1 mg/m3	0.1 mg/m3	None	N/D
Toluene	108-88-3	200 ppm	100 ppm	None	2
Naphtha	64742-49-0	500 ppm	500 ppm	None	Prop.
Zirconium Carboxylate	22464-99-9	5 mg/m3	5 mg/m3	None	Prop.

Notes:
Toluene is a toxic chemical subject to the reporting requirements of section 313 of Sara Title III of 40 CFR 372. Tests performed on natural graphite have shown quartz levels ranging from 2% to 10%.

Section 3: Hazards Identification

Route (s) of Entry:	Inhalation	Skin	Ingestion
	Yes	No	Yes

Health Hazards (acute and chronic)
Solvents may de-fat the skin causing dermatitis.
Chronic overexposure may cause nervous system damage.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	No	Yes	No

Notes:
Silica as quartz, animal sufficient evidence, human sufficient evidence.

Signs and Symptoms of Exposure: Nervous system depression, headache, dizziness, confusion, unconsciousness coma.

Medical Conditions Generally Aggravated by Exposure: Respiratory diseases, skin and eye irritations.

Section 4: First Aid Measures

Eyes:	Flush thoroughly with water for 15 minutes. Get medical attention.
Skin:	Wash exposed skin with soap and water. If irritation persists get medical attention. Launder severely contaminated clothing before reuse.
Ingestion:	Do not induce vomiting. Get medical attention.
Inhalation:	Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

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Section 5: Fire Fighting Measures

Flash Point: (method) TCC
40 F

Flammable Limits:

LEV:
0.9

UEL:
7.0

Extinguishing Media: Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents.

Special Fire Fighting Procedures: Wear a NIOSH approved self contained breathing apparatus to fight a fire involving this material. Water should be used to keep fire-exposed containers cool.

Unusual Fire and Explosion Hazards: Flammable liquid. Empty containers retain residue and can be dangerous.

NEPA Hazard Rating:

Health
2

Flammability
3

Reactivity
0

Section 6: Accidental Release Measures

Spill / Leak Procedures: Remove all sources of ignition, avoid breathing vapors, ventilate area, remove with inert absorbent materials. Store waste in tightly sealed containers. Consider recycling.

Section 7: Handling and Storage

Handling and Storage Precautions: Do not store above 120 F. Store large quantities in buildings designed for storage of flammable liquids. Keep containers tightly closed when not in use. Ground all containers, do not use near ignition source. Use respirators, add flammable warning labels to all containers.

Work / Hygienic Practices: Wear eye protection. Wash hands and face after handling this product.

Section 8: Exposure Controls / Personal Protection

Respiratory Protection (specify type): Use NIOSH/MSHA approved breathing apparatus or approved organic respirator.

Local Exhaust
Required

Mechanical (general)
Required

Special
None

Other
None

Eye / Face Protection: Goggles, safety glasses or face shield. Eye wash station should be available.
Skin Protection: Chemical resistant gloves. Safety shower should be available.

Section 9: Physical / Chemical Characteristics

Physical State: Liquid
Appearance: Black/Gray
Odor: Hydrocarbon
Specific Gravity (H₂O=1): 1.03
Water Solubility: Negligible

Boiling Point: 241 – 302 F
Melting Point: N/D
Vapor Pressure (mm Hg): 45 @ 25 C
Vapor Density (air=1): 3.9
Evaporation Rate: 0.2
(Butyl Acetate=1)

Section 10: Stability and Reactivity

Stability: Material is stable

Incompatibility (materials to avoid): Strong oxidizing agents, acids and alkalis.

Hazardous Decomposition Products: On burning, may release carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will not occur.

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Section 11: Toxicology Information

None Available.

Section 12: Ecological Information

None Available

Section 13: Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14: Transportation Information

TRUCK, AIR, OCEAN: ALL SIZES - Proper Shipping Name: Flammable Liquid, N.O.S. (contains naphtha); Class 3, Pkg. Group 2, UN1993

Section 15: Regulatory Information

All components of this product are on the TSCA inventory.

Canada:

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information as required by the CR. Natural Graphite, Crystalline Silica, and Toluene are classified by Canadian WHMIS as Class D, Division 2, Subdivision A (Very Toxic Material causing other Toxic Effects). Toluene is additionally classified by WHMIS as Class B, Division 2 (Flammable Liquid).

Section 16: Other Information

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