

## 1. Chemical Product and Company Identification

Chemical Name: SLIP Plate No. 4  
 Manufacturer: Superior Graphite  
 Address: 10 S. Riverside Plaza  
 Chicago IL 60606  
 Information Number: (312) 559-2999

## 2. Composition/Information on Ingredients

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Other Limits	%
Graphite, Natural (as respirable dust)	7782-42-5	2.5 mg/m <sup>3</sup>	2.0 mg/m <sup>3</sup>	None	<40
Silica, Crystalline Quartz (as respirable dust)	14808-60-7	0.1 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>	None	N/D
Triethylamine	121-44-8	25 ppm	1 ppm	3 ppm STEL	<3
Normal Butyl Alcohol	71-36-3	100 ppm	20 ppm	None	<5
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	None	<10

### Notes:

ACC = Acceptable ceiling concentration. Tests performed on natural graphite have shown respirable quartz dust levels ranging from 0% to 5%.

## 3. Hazards Identification

Route (s) of Entry:	Inhalation	Skin	Ingestion
	Yes	Yes	Yes

### Health Hazards (acute and chronic):

Acute: Eye, skin and respiratory system irritant. Breathing high concentrations may result in dizziness, headache, respiratory irritation, convulsions, or loss of consciousness.

Chronic: None expected when good hygienic practices are employed.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	Yes	Yes	No

### Notes:

Natural graphite can contain Silica as quartz; IARC monographs show animal sufficient evidence, human sufficient evidence.

### Signs and Symptoms of Exposure:

Inhalation: Respiratory irritation, dizziness, headache, nausea, fatigue, drowsiness, impaired coordination, and eye watering.

Skin: Contact may dry the skin prolonged contact may cause irritation. Can be absorbed through the skin. Solvent action can dry and de-fat the skin causing skin to crack, leading to dermatitis.

Eyes: Liquid or vapor can irritate the eyes.

Ingestion: May cause cramps and diarrhea. Small amounts aspirated into the respiratory system during ingestion or from vomiting, may cause bronchopneumonia or pulmonary edema, a possibly fatal

condition.

Medical Conditions Generally Aggravated by Exposure: None known

#### 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.

#### 5. Fire Fighting Measures

Flash Point: (method) Set Flash  
> 200 F

Flammable Limits: LEL: UEL:  
N/A N/A

Extinguishing Media: Foam, carbon dioxide, water spray (fog), and dry chemical.

Special Fire Fighting Procedures: Wear a NIOSH approved self contained breathing apparatus to fight a fire involving this material. Water may be ineffective as an extinguishing medium, but can be used to keep containers cool.

Unusual Fire and Explosion Hazards: Noncombustible liquid. Keep away from heat, sparks, open flame and electrical equipment. Closed containers may explode when exposed to extreme heat. On burning, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Seek medical attention.

NFPA Hazard Rating:

**Health**  
**1**

**Flammability**  
**1**

**Reactivity**  
**0**

NFPA Notes:

#### 6. Accidental Release Measures

Spill/Leak Procedures: Remove all sources of ignition. Clean up area with rags and/or other absorbent material and place in closed containers for solid waste disposal. Prevent from entering sewers or waterways if possible.

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

#### 7. Handling and Storage

Handling and Storage Precautions: Store and use in cool, dry, well-ventilated areas. Do not store above 120 F. Do not take internally. Handle carefully to prevent spills. Keep containers tightly closed when not in use.

Work/Hygienic Practices: Wash hands and face thoroughly with soap and water after handling this product.

#### 8. Exposure Controls/Personal Protection

Respiratory Protection (specify type): None under normal use. Avoid breathing vapors. In confined areas, use NIOSH approved vapor canister respirator. Self-contained breathing apparatus or supplied air hose mask is required for vapor concentrations above PEL/TLV limits.

Local Exhaust Required	Mechanical (general) Required	Special None	Other None
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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.

## 9. Physical/Chemical Characteristics

Physical State:Liquid	Boiling Point:212 F
Appearance:Dark Gray	Melting Point:N/A
Odor:None	Vapor Pressure (mm Hg):Of Water
Specific Gravity (H2O=1):1.2	Vapor Density (air=1):0.6
Water Solubility:Miscible	Evaporation Rate:< 1.0 (Butyl Acetate = 1)

## 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.

## 11. Transportation Information

Not regulated.

## 12. Other Information

Disclaimer: The information contained herein is based on data available. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.

All components of this product are on the TSCA inventory.

Unk. = Unknown  
N/A = Not applicable  
Nav = Not available  
N/D = Not determined  
N/E = Not established  
Prop. = Proprietary

Warning. This product contains chemicals known to the State of California to cause cancer.

Prepared: Date 03/25/92  
Revised: Date 02/16/2011