



1. Chemical Product and Company Identification

Chemical Name: SLIP Plate Penetrant Plus Aerosol

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	%
Mineral Oil (as mist)	64742-52-5	5 mg/m3	5 mg/m3	None	Prop.
Purified Graphite (as total dust) (as respirable dust)	64743-05-1	15 mg/m3 5 mg/m3	10 mg/m3 3 mg/m3	None	Prop.
Heptane	142-82-5	400 ppm	400 ppm	None	Prop.
Butane	106-97-8	800 ppm	800 ppm	None	Prop.
Propane	74-98-6	1000 ppm	1000 ppm	None	Prop.

Notes:

3. Hazards Identification

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

Health Hazards (acute and chronic): Eye, skin and respiratory system irritant. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain, peripheral nervous system, and other internal organ damage. There is no reported human evidence that these effects occur when exposure is maintained below OSHA and ACGIH limits.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	No	No	No

Notes:

Signs and Symptoms of Exposure:

Inhalation: Respiratory irritation, dizziness, headache, nausea, fatigue, drowsiness, impaired coordination, central nervous system depression or heart arrhythmia.

Skin: Contact may dry the skin prolonged contact may cause irritation. Can not be easily 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 cause moderate to severe irritation.

Ingestion: Not a likely route of exposure.

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) N/A

Flammable Limits: LEL: N/D UEL: N/D

Extinguishing Media: Dry chemical, foam, CO₂ and water fog.

Special Fire Fighting Procedures: Use water to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available).

Unusual Fire and Explosion Hazards: Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can travel along the ground to a distant source of ignition and flash back or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

NFPA Hazard Rating:

Health
1

Flammability
4

Reactivity
0

NFPA Notes:

6. Accidental Release Measures

Spill/Leak Procedures: Avoid breathing vapors. Ventilate area, remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal. Wash floor with soap and water.

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 puncture or incinerate (burn) cans. Do not stick a pin, nail or any other sharp object into opening on top of can. Small pressurized containers of flammable products may be stored in areas suitable for ordinary combustibles except that they should not be stored in basements. See product label for additional information.

Work/Hygienic Practices: Wash exposed skin with soap and water after handling this product. Do not spray in eyes. Do not take internally.

8. Exposure Controls/Personal Protection

Respiratory Protection (specify type): Use NIOSH/MSHA approved mask for chemical products if ACGIH, OSHA and/or TWA limits will be exceeded.

Local Exhaust	Mechanical (general)	Special	Other
Recommended	Recommended	None	None

Eye/Face Protection: Safety glasses, goggles or face shield. Eye wash station should be available.

Skin Protection: Use Rubber, Nitrile (NBR), Butyl or Polyethylene gloves. Safety shower should be available.

9. Physical/Chemical Characteristics

Physical State:Liquid	Boiling Point:N/A
Appearance:Aerosol	Melting Point:N/A
Odor:N/A	Vapor Pressure (mm Hg):N/A
Specific Gravity (H ₂ O=1):N/A	Vapor Density (air=1):N/A
Water Solubility:Negligible	Evaporation Rate:N/A (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

(Via Truck):

Consumer Commodity, ORM-D (No Flammable label needed)

{Box must be marked "Consumer Commodity, ORM-D".

(Via Air):

Aerosols, flammable (requires Class 2 Flammable Gas label)

Class 2.1, No Pkg. Group, UN1950

Pkg. must be marked "Aerosol, flammable, UN 1950, Ltd. Qty."

[Cover "Consumer Commodity, ORM-D" on Pre-printed box]

(Via Ocean):

Aerosol, (No Flammable label needed)

No Pkg. Group, UN1950

[Cover "Consumer Commodity" on box]

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

Prepared: Date 08/11/93
Revised: Date 02/10/2012