

MATERIAL SAFETY DATA SHEET

Document Number MSDS-BP-001

SECTION 1: NAME AND PRODUCT

Name:

SELEE Corporation

Address:

700 Shepherd Street
Hendersonville, NC 28792 U.S.A.

Product Name:

Bi-Polar Plate

Product Type:

Contact:

Safety & Environmental Compliance Officer

Emergency Telephone Phone Number:

(828) 697-2411
(800) 438-7274

Telephone Number for Information:

(828) 697-2411
(800) 438-7274

Date Prepared:	Date Superseded:	Revision
31 Oct 06	5 Nov 02	2

SECTION II: REGULATED INGREDIENTS*

Chemical Name	CAS #	Weight Percent Range	OSHA PEL (TWA)	ACGIH TLV (TWA)	Carcinogen Y/N
Graphite, natural (as respirable dust)	7782-42-5	55-65	2.5 mg/m3	2.0 mg/m3	N
Carbon Fiber	7440-44-0	15-20	15 mg/m3	10 mg/m3	N
Proprietary carbon binder	xxx	20-30	15 mg/m3	10 mg/m3	N

SECTION III: HAZARD IDENTIFICATION

Inhalation:

If particles become airborne.

Eyes/Skin:

If particles become airborne.

Ingestion:

Unlikely

SECTION IV – HEALTH, FIRST AID AND MEDICAL TREATMENT

<u>Inhalation:</u>	<u>Health Hazards (Acute and Chronic):</u> Dust inhalation may cause coughing. Long term may result in pneumoconiosis.
	<u>Emergency and First Aid Procedures:</u> Remove from exposure. If irritation persists, see a physician.
<u>Ingestion:</u>	<u>Health Hazards (Acute and Chronic):</u> N/A
	<u>Emergency and First Aid Procedures:</u> Do not induce vomiting. Call a doctor
<u>Skin:</u>	<u>Health Hazards (Acute and Chronic):</u> May irritate skin.
	<u>Emergency and First Aid Procedures:</u> Wash skin with soap and water after contact.
<u>Eye:</u>	<u>Health Hazards (Acute and Chronic):</u> Irritation.
	<u>Emergency and First Aid Procedures:</u> If dust gets in eyes, flush with water for 15 minutes and see a doctor.
<u>Other Potential Risks:</u>	<u>Health Hazards (Acute and Chronic):</u>
	<u>Emergency and First Aid Procedures:</u>
<u>Health Rating:</u> 1	<u>Health Hazard Rating Explanation:</u> 0 – Normal Material 2 – Hazardous 4 – Deadly 1 – Slightly Hazardous 3 – Extreme Danger

SECTION V – FIRE AND EXPLOSION HAZARD DATA

<u>Flash Point:</u> N/A	<u>(Method Used):</u>	<u>Flammable Limits:</u> LEL: NA% UEL: NA%
<u>Extinguishing Media:</u> Water or other		
<u>Special Fire Fighting Procedures:</u> None		
<u>Explosion Potential:</u> N/A		
<u>Fire Rating:</u> 1	<u>Fire Hazard Rating Explanation:</u> 0 – Will Not Burn 3 – Below 100°F (38°C) 1 – Above 200°F (93°C) 4 – Below 73°F (23°C) 2 – Below 200°F (93°C)	

SECTION VI – ACCIDENTAL RELEASE

Steps to be Taken in Case of Leaks or Spills:
Vacuum clean dust with equipment fitted with HEPA filter. If sweeping is necessary, use a dust suppressant. Wet clean up methods also preferred.

SECTION VII – STORAGE, HANDLING AND USE PROCEDURES

Normal Storage and Handling:
Store in cool dry environment. Handle in a manner, which avoids aerosolization of dust.
Graphite can cause shorts in electrical equipment.

Normal Use: Polarize water and water electrons

SECTION VIII – PERSONAL PROTECTION INFORMATION

Respiratory Protection:

For dust and fume concentrations below the applicable exposure level, PPE is not required. If dust concentration levels are above the applicable exposure levels follow the requirements for respirator use.

Ventilation:

General and local exhaust ventilation, engineering controls, and good housekeeping practices are recommended to keep dust concentrations below the permissible exposure limits.

Protective Gloves:

Recommended to prevent skin irritation.

Eye Protection:

Safety Goggles

Other Protective Clothing and Equipment:

Dust suppressing control technologies are effective means of minimizing airborne dust concentrations.

SECTION IX: PHYSICAL AND CHEMICAL DATA

Boiling Point: N/A

Melting Point: N/A

Specific Gravity: 1.2-1.5

Vapor Pressure: N/A

Percent Volatile by Vol.: N/A

Vapor Density: N/A

Evaporation Rate: N/A

Solubility by Water: Insoluble

Appearance and Odor: Solid gray, no odor

SECTION X – STABILITY AND REACTIVITY DATA

Stability:

Stable: X Unstable:

Hazardous Polymerization:

Will Occur: Will Not Occur: X

Incompatibility (Materials to Avoid):

Acids, alkalis, oxidizers

Decomposition Products:

Upon burning may release carbon dioxide or carbon monoxide

Conditions to be Avoided:

Acids, alkalis, oxidizers

Reactivity Rating:

0

Reactivity Rating Explanation:

0 – Stable

1 – Unstable if Heated

2 – Violent Chemical Change

3 – Shock and Heat May Detonate

4 – May Detonate

SECTION XI – TOXICOLOGICAL CONSIDERATIONS

Toxicity:

NAIF

SECTION XII – ECOLOGICAL CONSIDERATIONS

Mobility:

NAIF

Persistence and degradability

NAIF solid

Bioaccumulation:

NAIF

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Disposal in accordance with FEDERAL, STATE and LOCAL REGULATIONS.

SECTION XIV – TRANSPORTATION CONSIDERATIONS

No components hindering transport.

SECTION XV – REGULATORY CONSIDERATIONS

U.S. Federal Regulations:

This product is not regulated under SARA sections 302, 304, 311/312 and 313.

Components are on TSCA inventory.

R 36/38: Irritating to eyes or skin

S 36/37: Wear suitable protective clothing and gloves

SECTION XVI – ADDITIONAL INFORMATION

Special Rating Explanation (If Applicable).

Oxidizer	Oxy	Alkali	ALK
Acid	ACD	Corrosive	COR
Use No Water	NW	Radiation Hazard	R

NAIF = No Applicable Information Found

N/A = Not Applicable