

MATERIAL SAFETY DATA SHEET




ZOOK IMPERVIOUS GRAPHITE

SECTION I: IDENTIFICATION

MANUFACTURER:

ZOOK ENTERPRISES
16809 PARK CIRCLE DR.
PO BOX 419
CHAGRIN FALLS, OHIO 44022

PHONE: (440) 543-1010**FAX:** (440) 543-4930**DATE OF DATA SHEET:** 7/1/98**PRODUCT NAME:** ZOOK IMPERVIOUS GRAPHITE**CHEMICAL FAMILY:** CARBON

Hazard Rating		
Least 0		Health 0
Slight 1		
Moderate 2		Fire 0
High 3		
Extreme 4		Reactivity 0

SECTION II: HAZARDOUS INGREDIENTS

MATERIAL	CAS NO	%	TLV
SYNTHETIC GRAPHITE (FOR DUST) IMPREGNATED WITH PHENOLIC RESIN. IS HEAT CURED TO A POLYMERIZED SOLID STATE	7782-42-5	>90	10 mg/m3

SECTION III: PHYSICAL DATA

BOILING POINT (F):	N/A	SPECIFIC GRAVITY (H₂O = 1):	N/A
VAPOR PRESSURE (MM HG):	N/A	VAPOR DENSITY:	N/A
PERCENT, VOLATILE BY VOLUME %:	N/A	EVAPORATION RATE:	N/A
BULK DENSITY (G/CC):	1.77-1.87	SOLUBILITY IN WATER:	NEGLIGIBLE
APPEARANCE AND ODOR: Black or gray; No odor			

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED):	N/A
FLAMMABLE LIMITS % BY VOLUME:	LEL= N/A UEL= N/A
EXTINGUISHING MEDIA:	WATER - Impervious graphite is difficult to ignite.
SPECIAL FIRE FIGHTING PROCEDURES:	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Spalling will occur at temperatures >430°F (221°C) releasing particles; fire fighting personnel should be protected from flying particles.

SECTION V: REACTIVITY DATA

STABILITY:	STABLE
HAZARD POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	TEMPERATURES >430°F (221°C)
INCOMPATIBILITY (MATERIALS TO AVOID):	OXIDIZING MATERIALS (e.g., Conc. Sulfuric Acid, Conc. Nitric Acid, and Chromate solutions).
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition or burning may generate CO and CO ₂ .

MATERIAL SAFETY DATA SHEET

ZOOK IMPERVIOUS GRAPHITE

SECTION VI: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 10 mg/m³ (nuisance particulate if dust from product is present)

EFFECTS OF OVEREXPOSURE: NONE IN THE SOLID FORM. (Prolonged or repeated breathing of dust can result in pneumoconiosis.)

EMERGENCY FIRST AID PROCEDURES: N/A

SECTION VII: ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURE: N/A

WASTE DISPOSAL METHOD: Bury in a landfill where permitted under Federal, State, and Local regulations.

OTHER PRECAUTIONS: Do not incinerate - See Section IV.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): MSHA/NIOSH Approved respirator for nuisance particulate when particulate level is exceeded.

VENTILATION:

Local exhaust:	If machining is performed
Mechanical (General):	YES
SPECIAL:	N/A
OTHER:	N/A

PROTECTIVE GLOVES: Recommended

EYE PROTECTION: Safety Glasses

OTHER PROTECTIVE EQUIPMENT: N/A

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

When machining, prevent dust escape into atmosphere. Do not breathe dust.

OTHER PRECAUTIONS:

Graphite dust is electrically conductive. Dust accumulations can cause short circuits.