

# MATERIAL SAFETY DATA SHEET

<b>BLACKTHORN, Inc.</b> P.O. Box 70 6113 Brookville-Salem Rd. Clayton, OH 45315-0070	<b>FOR EMERGENCIES CALL</b> (513) 836-9296 OR (513) 836-9395	<b>HAZARD DATA</b> 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
		FIRE REACTIVITY TOXICITY SPECIAL
<b>PRODUCTS</b> SED-N-SEAL™ Surface Sealer		<b>DOT HAZARD CLASS</b> Not Hazardous

## I - COMPOSITIONAL INFORMATION

COMPONENT	CAS REG. NO.	APPROX. WT.%	TWA/TLV - OTHER
Silica Sand	014808-60-7	35	MSHA: 0.1 mg/cu.m. respirabl silica over 8 hr. TWA
PC mixture containing proprietary components		65	10 mg./cu.m. ACGIH TLV total dust

## SARA TITLE III SECTION 313 CHEMICALS (40CFR372)

CHEMICAL NAME	CAS NO.	% BY WT. MAX.
none	n/a	n/a

## II - PHYSICAL PROPERTY INFORMATION

APPEARANCE - ODOR - pH    Gray powder    Odor: n/a    pH: Hydration product alkaline			
MELTING OR FREEZING POINT n/a	BOILING POINT n/a	VAPOR PRESSURE (mm Hg) ( mm Hg.)	VAPOR DENSITY (AIR = 1) n/a
SOLUBILITY IN WATER slight	PERCENT VOLATILE (BY WEIGHT) n/a	SPECIFIC GRAVITY (WATER = 1) 2.6 - 3.0	EVAPORATION RATE (BUTYL ACETATE = 1) n/a

## III - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT n/a	AUTO IGNITION TEMPERATURE n/a	LOWER EXPLOSION LIMIT (%) n/a	UPPER EXPLOSION LIMIT (%) n/a
EXTINGUISHING MEDIA <input type="checkbox"/> FOAM <input type="checkbox"/> "ALCOHOL" FOAM <input type="checkbox"/> CO2 <input type="checkbox"/> DRY CHEMICAL <input type="checkbox"/> WATER SPRAY <input type="checkbox"/> OTHER    n/a			
SPECIAL FIRE FIGHTING PROCEDURES    n/a			
UNUSUAL FIRE AND EXPLOSION HAZARDS    n/a			

## IV - HEALTH HAZARD INFORMATION

Routes of Entry:    Inhalation, skin	
EFFECTS OF EXPOSURE  <b>Inhalation:</b> May cause respiratory disease including pulmonary fibrosis, See section X for more information. Shortness of breath, chest pain, decreased vital capacity and cough. <b>Skin Contact:</b> Wet cement may dry the skin and cause severe skin burns. <b>Eye Contact:</b> May cause irritation and inflammation of the cornea. <b>Ingestion:</b> May cause slight indigestion and irritation.	
EMERGENCY AND FIRST AID PROCEDURES  <b>Inhalation:</b> Gross inhalation: remove to fresh air. Give oxygen with artificial respiration as needed. Seek medical attention. <b>Eye and Skin Contact:</b> Wash affected area immediately with soap and water. Contact physician promptly. Flush eyes with running water and consult physician. <b>Ingestion:</b> Drink water. Consult physician.	

## V - REACTIVITY INFORMATION

STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID None
HAZARDOUS DECOMPOSITION PRODUCTS May liberate hydrogen gas.	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID None
INCOMPATIBILITY (MATERIALS TO AVOID) <input type="checkbox"/> WATER <input checked="" type="checkbox"/> OTHER    Hydrofluoric acid and strong alkalis.	

## VI - SPILL OR LEAK PROCEDURE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED If uncontaminated, collect using a vacuum. If contaminated, use appropriate method according to federal, state and local laws. Avoid creating excessive dust.
WASTE DISPOSAL METHODS Normal disposal. Keep out of drains; may plug up.

## VII - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE Local ventilation acceptable, except above TLV level, then use mechanical vent.	
RESPIRATORY PROTECTION NIOSH-approved respirator in dusty environment.	
PROTECTIVE GLOVES Rubber or equivalent	EYE PROTECTION Dust goggles if needed
OTHER PROTECTIVE EQUIPMENT Long-sleeve shirt, full-length trousers, water-proof boots.	

## VIII - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE		INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX.	MIN.				
Take normal precautions against spillage of bulk material. Avoid creation of respirable dust. Avoid storing in a moist environment. Product will form into hard mass upon exposure to water or extreme dampness.					

## IX - TOXICITY INFORMATION

Prolonged overexposure to the silica dust above threshold limit value may cause scarring of the lungs with coughing and shortness of breath displayed. This product contains crystalline silica and traces of compounds of arsenic, cadmium, and chromium; chemicals listed by the State of California (Prop 65) as causing cancer or reproductive toxicity.
--

## X - MISCELLANEOUS INFORMATION

<b>WARNING:</b> Excessive inhalation of dust results in respiratory disease, including silcosis, pulmonary fibrosis. Avoid breathing or creating dust. Warn workers of possible hazards of breathing material. Use barrier creams to protect skin. The International Agency for Research (IARC) evaluated that there is "limited evidence" for the carcinogenicity of crystalline silica with respect to humans. Advise and recommend workers to use appropriate protective equipment. Regarding the "1" toxicity rating, it should be noted that a worker exposed to the product for the majority of his working experience may develop more serious health concerns than the occasional user.	
THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF.	SED-N-SEAL™ Surface Sealer (Gray)