

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined

N/A=Not Applicable

<b>Product:</b> SOOT SEAL	<b>Manufacturer:</b> ESTEAM	<b>Flammability:</b> 0
<b>Chem. Name:</b> N/A	<b>Trade Name:</b> Soot Seal	<b>Reactivity:</b> 0
<b>Chem. Family:</b> Mixture	<b>Use:</b> Duct & char sealing compound	<b>Health:</b> 1
		<b>Protection:</b>

NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
2-Butoxyethanol	111-76-2	1-4	LD50 1746 mg/kg (oral-rat)	25 ppm TWA

PHYSICAL DATA				Freeze/Thaw
<b>Physical State:</b> Liquid	<b>Boiling Point (C):</b> 100	<b>Solubility in Water:</b> 100%	<b>Evaporation Rate:</b> N/D	<b>Stable:</b> Yes
<b>Odor/ Appearance:</b> Milky white, fragrant	<b>Freezing Point (C):</b> 0	<b>Ph (undiluted):</b> 7.8	<b>Specific Gravity:</b> N/D	<b>Percent Volatile (vol):</b> N/D
				<b>Vapor Pressure:</b> N/D

FIRE & EXPLOSION HAZARD		Conditions:
<b>Flammability:</b> N	<b>Hazardous Combustion Products:</b> None	<b>Conditions:</b> N/A
<b>Means of Extinction:</b> Appropriate for surrounding conditions	<b>Upper Explosion Limit (% by vol):</b> N/A	
<b>Special Procedures:</b> None	<b>Lower Explosion Limit (% by vol):</b> N/A	
<b>Explosion Sensitivity to Impact:</b> N/A	<b>Auto-ignition:</b> N/D	
<b>Chemical Sensitivity to Static Discharge:</b> N/A	<b>Rate of Burning:</b> N/A	<b>TDG/WHMIS:</b> Non hazardous / D2B
<b>Flashpoint (C) &amp; Method:</b> N/A	<b>Explosive Power:</b> N/A	

REACTIVITY DATA	Chemical Stability:
<b>Hazardous Decomposition Product:</b> None	<b>Chemical Stability:</b> Stable
	<b>Incompatible Substances:</b> None

TOXICOLOGICAL PROPERTIES		
<b>Route of Entry - Skin Contact:</b> Y	<b>Reproductive Effects Y/N:</b> N/D	<b>Effects of Overexposure:</b> <b>Acute Effects:</b> Inhalation may lead to headache, nausea, irritation of mucous membranes. Ingestion may cause irritation of mucous membranes resulting in abdominal pain and diarrhea.  <b>Chronic Effects:</b> May cause slight skin irritation after prolonged or frequent exposure.
<b>Route of Entry - Skin Absorption:</b> N	<b>Carcinogenicity Y/N:</b> N/D	
<b>Route of Entry - Eye Contact:</b> Y	<b>Mutagenicity Y/N:</b> N/D	
<b>Route of Entry - Inhalation:</b> Y	<b>Teratogenicity Y/N:</b> N/D	
<b>Route of Entry - Ingestion:</b> Y	<b>TLV:</b> N/D	

PREVENTATIVE MEASURES						
<table style="width: 100%;"> <tr> <td style="width: 33%;"><b>Gloves:</b> N/A</td> <td style="width: 33%;"><b>Footwear:</b> N/A</td> <td style="width: 33%;"><b>Clothing:</b> N/A</td> </tr> <tr> <td><b>Eyes:</b> Chemical goggles</td> <td><b>Respirator:</b> N/A</td> <td><b>Other:</b> N/A</td> </tr> </table>	<b>Gloves:</b> N/A	<b>Footwear:</b> N/A	<b>Clothing:</b> N/A	<b>Eyes:</b> Chemical goggles	<b>Respirator:</b> N/A	<b>Other:</b> N/A
<b>Gloves:</b> N/A	<b>Footwear:</b> N/A	<b>Clothing:</b> N/A				
<b>Eyes:</b> Chemical goggles	<b>Respirator:</b> N/A	<b>Other:</b> N/A				

<b>Recommended Engineered Controls:</b> Use with adequate ventilation.	<b>Leak &amp; Spill Procedures:</b> Mop up excess. Flush with water to a sanitary sewer.	<b>Waste Disposal Methods:</b> According to federal, provincial and municipal regulations.	<b>Special Handling Procedures:</b> Store in a cool, dry place away from children. Keep closed when not in use.
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FIRST AID MEASURES
<b>Inhalation:</b> Move person to fresh air. If necessary give artificial respiration or oxygen. Call a doctor if in distress.
<b>Ingestion:</b> Contact a physician.
<b>Eye Contact:</b> Immediately flush eyes with running water for at least 15 minutes. Contact a physician if irritation persists.
<b>Skin Contact:</b> Immediately wash skin for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

<b>Prep./Revised Date:</b> January 8, 2010	<b>Mailing Address:</b> Esteam Manufacturing Ltd. 3750-19th Street NE Calgary, AB T2E 6V2
<b>Prepared By:</b> R. Russell	
<b>Source Material:</b> Manufacturer's MSDS	
<b>Emergency Response:</b> 1-613-996-6666 (Transport Emergencies)	



This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.