



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER <b>LIQUID SHOVEL</b>		CODE: 5022		PRODUCT IDENTIFICATION NUMBER (PIN) Not Applicable	
PRODUCT USE Floor Finish Stripper					
MANUFACTURER'S NAME <b>BUCKEYE INTERNATIONAL, INC.</b>			SUPPLIER'S NAME		
STREET ADDRESS 2700 WAGNER PLACE			STREET ADDRESS		
CITY <b>MARYLAND HEIGHTS</b>		PROVINCE <b>MISSOURI, U.S.A.</b>		CITY	
POSTAL CODE 63043-3471		MEDICAL EMERGENCY TELEPHONE NUMBER 1-800-303-0441		EMERGENCY TELEPHONE NO.	
TRANSPORTATION EMERGENCY TELEPHONE NUMBER 1-800-535-5053					

## SECTION 2 - INGREDIENTS

INGREDIENTS	%	CAS NUMBER	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
Water	40-70	7732-18-5	Not Available	Not Available
Benzyl Alcohol	10-30	100-51-6	Rat Oral 1.2 g/kg	1000 ppm/8 hr Rat
Dipropylene Glycol n-Butyl Ether	10-30	29911-28-2	Rat Oral 3.7 g/kg	Not Available
Linear Primary Alcohol Ethoxylate	7-13	34398-01-1	Rat Oral 0.7-1.7 g/kg	Not Available
Lauric Acid	3-7	143-07-7	Rat Oral > 10 g/kg	Not Available
Propylene Glycol Phenyl Ether	1-5	770-35-4	Rat Oral 2.8 g/kg	Not Available
Triethanolamine	1-5	102-71-6	Rat Oral >4 g/kg	Not Available
Sodium Xylene Sulfonate	1-5	1300-72-7	Rat Oral 4g/kg	Not Available
Diethylenetriaminepentaacetic Acid	1-5	67-43-6	Rat Oral > 2000 mg/kg	Not Available

## SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Mild, Clear Blue Solution			
VAPOUR PRESSURE (mmHg) 17 mmHg	VAPOUR DENSITY (Air=1) Not Determined	EVAPORATION RATE (Water =1) 1	BOILING POINT (°C) 100°	FREEZING POINT (°C) 0°
pH (CONC.) 8.7 ± 0.2	pH (USE DILUTION) 8.3 ± 0.2 1:4 (pH 7 DI water)	SPECIFIC GRAVITY 1.04	COEFF. WATER/OIL DIST. Not Available	ODOUR THRESHOLD (ppm) Not Available

## SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY No	IF YES, UNDER WHICH CONDITIONS?			
MEANS OF EXTINCTION Not Applicable				
FLASHPOINT (°C) AND METHOD Tag Closed Cup - None!	UPPER FLAMMABLE LIMIT (% BY VOLUME) Not Applicable		LOWER FLAMMABLE LIMIT (% BY VOLUME) Not Applicable	
HAZARDOUS COMBUSTION PRODUCTS Oxides of carbon and boron.				
EXPLOSION DATA	SENSITIVITY TO IMPACT None		SENSITIVITY TO STATIC DISCHARGE None	

## SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY Yes	IF NO, UNDER WHICH CONDITIONS?			
INCOMPATIBILITY WITH OTHER SUBSTANCES? Yes	IF SO, WHICH ONES? Do not mix with chlorine bleach.			
REACTIVITY, AND UNDER WHAT CONDITIONS None Known				
HAZARDOUS DECOMPOSITION PRODUCTS None Known				

PRODUCT IDENTIFIER					
LIQUID SHOVEL		CODE 5022			
<b>SECTION 6 - TOXICOLOGICAL PROPERTIES</b>					
ROUTE OF ENTRY	SKIN CONTACT	SKIN ABSORPTION	EYE CONTACT	INHALATION	INGESTION
	Yes	No	Yes	No	No
EFFECTS OF ACUTE EXPOSURE TO PRODUCT					
Will cause severe eye and slight skin irritation. Not toxic by ingestion.					
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT					
None Known					
EXPOSURE LIMITS		IRRITANCY OF PRODUCT		SENSITIZATION TO PRODUCT	
Not Available		Severe eye and slight skin irritation.		Not Available	
TERATOGENICITY		REPRODUCTIVE TOXICITY		MUTAGENICITY	
No		No		No	
<b>SECTION 7 - PREVENTIVE MEASURES</b>					
PERSONAL PROTECTIVE EQUIPMENT					
GLOVES (SPECIFY)		RESPIRATOR (SPECIFY)		EYE (SPECIFY)	
Rubber gloves or other chemical resistant gloves. Needed for clean up of spill or for prolonged skin contact.		None Required		When eye contact may occur, wear safety glasses or chemical splash goggles.	
FOOTWEAR (SPECIFY)		CLOTHING (SPECIFY)		OTHER (SPECIFY)	
Footwear that keeps feet dry is suggested.		Normal Clothing		None Required	
ENGINEERING CONTROLS (SPECIFY: e.g. VENTILATION, ENCLOSED PROCESS.)					
Normal room ventilation.					
LEAK AND SPILL PROCEDURE					
Pick up with mop, wet/dry vac or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.					
WASTE DISPOSAL					
Dilute with water and flush to sanitary sewer, or send to sanitary landfill, following local, provincial and federal laws.					
HANDLING PROCEDURES AND EQUIPMENT					
Wash thoroughly with soap and water after handling.					
STORAGE REQUIREMENTS					
<b>KEEP OUT OF REACH OF CHILDREN!</b> Keep container closed when not in use. Store at room temperature.					
SPECIAL SHIPPING INFORMATION					
Compound, Cleaning, Liquid.					
<b>SECTION 8 - FIRST AID MEASURES</b>					
SPECIFIC MEASURES					
For Eyes: Flush with cool water for 15 minutes. If irritation persists, see physician.					
For Skin: Flush with water for 15 minutes. If irritation persists, see physician.					
For Ingestion: Call for medical advice immediately. DO NOT induce vomiting. Do not give anything by mouth unless directed to do so by a medical professional.					
Product produced under one or more of the following U.S. Patents: 5,080,822; 5,080,831; 5,158,710; 5,419,848; 5,585,341; 5,849,682. Canada Patents: 2,056,425; 2,080,352; 2,057,027. Other patents pending.					
This product is regulated under WHMIS (D.2.B)					
			<b><u>RATING</u></b>		
			4 = EXTREME		
			3 = SERIOUS		
			2 = MODERATE		
			1 = SLIGHT		
			0 = MINIMAL		
<b>HAZARD</b>	<b>NFPA</b>	<b>HMIS</b>			
HEALTH	2	2			
FIRE	0	0			
REACTIVITY	0	0			
<b>SECTION 9 - PREPARATION DATE OF MSDS</b>					
PREPARED BY (GROUP, DEPARTMENT, ETC.)			PHONE NUMBER		DATE
SCOTT MAAG - DIRECTOR OF RESEARCH			(314) 291-1900		March 1, 2009