



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

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

SECTION 2 - INGREDIENTS

INGREDIENTS	%	CAS NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES)
Water	40-70	7732-18-5	Not Available	Not Available
Benzyl Alcohol	7-13	100-51-6	Rat Oral 1.2 g/kg	1000 ppm/8 hr Rat
Propylene Glycol N-Butyl Ether	7-13	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
Octanoic Acid	3-7	124-07-2	Rat Oral > 10 g/kg	Not Available
Propylene Glycol Phenyl Ether	1-5	770-35-4	Rat Oral 2.8 g/kg	Not Available
Sodium Hydroxide	1-5	1310-73-2	Rat Oral 3.4 g/kg	>40mg/m ³ /1hr
Sodium Gluconate	1-5	527-07-1	Rabbit 7.6 - 8.7g/kg	Not Available
Alkyl Polyglucoside	1-5	Blend	Rat Oral >5g/kg	Not Available
Sodium Borate	1-5	1303-96-4	Rat Oral 4g/kg	Not Available

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE	ODOUR AND APPEARANCE			
Liquid	Mild - No Fragrance Added; Clear Blue Solution			
VAPOUR PRESSURE (mmHG)	VAPOUR DENSITY (Air=1)	EVAPORATION RATE (Water =1)	BOILING POINT (°C)	FREEZING POINT (°C)
17 mmHg	Not Determined	1	100°	0°
pH (CONC.)	pH (USE DILUTION)	SPECIFIC GRAVITY	COEFF. WATER/OIL DIST.	ODOUR THRESHOLD (ppm)
8.7 ± 0.2	8.6 ± 0.2 1:4 (pH 7 DI water)	1.042 ± 0.01	Not Available	Not Available

SECTION 4 - FIRE AND EXPLOSION DATA

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

SECTION 5 - REACTIVITY DATA

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

PRODUCT IDENTIFIER					
LIQUID SHOVEL			CODE 5022		
SECTION 6 - TOXICOLOGICAL PROPERTIES					
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		CARCINOGENICITY
Not Available	Severe eye and slight skin irritation.		Not Available		No
TERATOGENICITY	REPRODUCTIVE TOXICITY		MUTAGENICITY		SYNERGISTIC PRODUCTS
No	No		No		None Known
SECTION 7 - PREVENTIVE MEASURES					
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 which covers skin.		None Required	
ENGINEERING CONTROLS (SPECIFY: e.g. VENTILATION, ENCLOSED PROCESS.)					
Maintain adequate 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		KEEP OUT OF REACH OF CHILDREN!			
		Keep container closed when not in use. Store at room temperature.			
SPECIAL SHIPPING INFORMATION					
Compound, Cleaning, Liquid.					
SECTION 8 - FIRST AID MEASURES					
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.					
This product is regulated under WHMIS (D.2.B)					
			<u>RATING</u>		
			4 = EXTREME		
			3 = SERIOUS		
			2 = MODERATE		
			1 = SLIGHT		
			0 = MINIMAL		
HAZARD	NFPA	HMIS			
HEALTH	2	2			
FIRE	0	0			
REACTIVITY	0	0			
SECTION 9 - PREPARATION DATE OF MSDS					
PREPARED BY (GROUP, DEPARTMENT, ETC.)			PHONE NUMBER		DATE
SCOTT MAAG - VICE PRESIDENT OF OPERATIONS			(314) 291-1900		February 15, 2015