



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER <b>BUCKEYE JUGGERNAUT</b> CODE: 5028		PRODUCT IDENTIFICATION NUMBER (PIN) Not Applicable	
PRODUCT USE Alkaline Floor Finish Stripper, Water Based			
MANUFACTURER'S NAME <b>BUCKEYE INTERNATIONAL, INC.</b>		SUPPLIER'S NAME	
STREET ADDRESS 2700 WAGNER PLACE		STREET ADDRESS	
CITY MARYLAND HEIGHTS	PROVINCE MISSOURI, U.S.A.	CITY	PROVINCE
POSTAL CODE 63043-3471	MEDICAL EMERGENCY TELEPHONE NUMBER 1-800-303-0441	POSTAL CODE	EMERGENCY TELEPHONE NO.
TRANSPORTATION EMERGENCY TELEPHONE NUMBER 1-800-535-5053			

## SECTION 2 - INGREDIENTS

INGREDIENTS	% wgt/wgt	CAS NUMBER	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
Monoethanolamine	10.0	141-43-5	Rat Oral 1.7-2.7 g/kg	Not Available
Sodium Metasilicate Pentahydrate	2.0	6834-92-0	Rat Oral 800 mg/kg	Not Available
Sodium Hydroxide	1.0	1310-73-2	Rat Oral 3.4 g/kg	>40 mg.m <sup>3</sup> /1 hr
Water	10-30	7732-18-5	Not Available	Not Available
Benzyl Alcohol	10-30	100-51-6	Rat Oral 1.2 g/kg	1000ppm/8 hrs. Rat
Ethylene Glycol Phenyl Ether	5-10	122-99-6	Rat Oral 1.3-4.0g/kg	Not Available
Diethylene Glycol Ethyl Ether	5-10	111-90-0	Rat Oral 5.4 g/kg	Not Available
Sodium Xylene Sulfonate	1-5	1300-72-7	Rat Oral 4g/kg	Not Available
Octanoic Acid	1-5	124-07-2	Rat Oral 10080 mg/kg	Not Available

## SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Mild - No Fragrance Added; Clear Purple Solution			
VAPOUR PRESSURE (mmHG) Not Available	VAPOUR DENSITY (Air=1) Not Available	EVAPORATION RATE (Water =1) 1	BOILING POINT (°C) 100°	FREEZING POINT (°C) 0°
pH (CONC.) 13.0 ± 0.2	pH (USE DILUTION) 12.3 ± 0.2    1:4 (pH 7 DI water)	SPECIFIC GRAVITY 1.05 ± 0.01	COEFF. WATER/OIL DIST. Not Available	ODOUR THRESHOLD (ppm) Not Available

## SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY    IF YES, UNDER WHICH CONDITIONS? No				
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, nitrogen, sulfur and silicon.				
EXPLOSION DATA	SENSITIVITY TO IMPACT Not Applicable		SENSITIVITY TO STATIC DISCHARGE Not Applicable	

## 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 or acids.
REACTIVITY, AND UNDER WHAT CONDITIONS None Known	
HAZARDOUS DECOMPOSITION PRODUCTS None Known	

PRODUCT IDENTIFIER					
BUCKEYE JUGGERNAUT    CODE 5028					
<b>SECTION 6 - TOXICOLOGICAL PROPERTIES</b>					
ROUTE OF ENTRY	SKIN CONTACT	SKIN ABSORPTION	EYE CONTACT	INHALATION	INGESTION
	Yes	No	Yes	No	Yes
EFFECTS OF ACUTE EXPOSURE TO PRODUCT					
Corrosive. Will cause burns to eyes and skin. Harmful or fatal if swallowed.					
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT					
None Known					
EXPOSURE LIMITS		IRRITANCY OF PRODUCT		SENSITIZATION TO PRODUCT	
Not Available		Corrosive		No	
TERATOGENICITY		REPRODUCTIVE TOXICITY		MUTAGENICITY	
No		No		No	
				CARCINOGENICITY	
				No	
				SYNERGISTIC PRODUCTS	
				None Known	
<b>SECTION 7 - PREVENTIVE MEASURES</b>					
PERSONAL PROTECTIVE EQUIPMENT					
GLOVES (SPECIFY)		RESPIRATOR (SPECIFY)		EYE (SPECIFY)	
Rubber gloves or other chemical resistant gloves.		None Required		Wear safety glasses or chemical splash goggles.	
FOOTWEAR (SPECIFY) Wear water or chemical resistant footwear when scrubbing floors.		CLOTHING (SPECIFY)		OTHER (SPECIFY)	
		Normal clothing which covers skin.		None under normal use.	
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					
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 RECH OF CHILDREN!</b> Store at room temperature. Store away from acids. Store on low shelves. Rinse container before discarding. Keep container closed when not in use.					
SPECIAL SHIPPING INFORMATION					
UN 1760, Corrosive Liquids, n.o.s. (Contains Ethanolamine and Sodium Hydroxide), 8, PG II.					
<b>SECTION 8 - FIRST AID MEASURES</b>					
SPECIFIC MEASURES					
For Eyes: Flush with cool water for 15 minutes. See physician.					
For Skin: Flush with water for 15 minutes. If irritation occurs and 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: 2,056,452; 2,080,352; 2,057,027.					
This product is regulated under WHMIS. (E)					
			<b>RATING</b>		
			4 = EXTREME		
			3 = SERIOUS		
			2 = MODERATE		
			1 = SLIGHT		
			0 = MINIMAL		
<b>SECTION 9 - PREPARATION DATE OF MSDS</b>					
PREPARED BY (GROUP, DEPARTMENT, ETC.)			PHONE NUMBER		DATE
SCOTT MAAG - VICE PRESIDENT OF OPERATIONS			(314) 291-1900		February 15, 2015