



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER BUCKEYE XL-100 NO PERFUME ADDED CODE: 5051		PRODUCT IDENTIFICATION NUMBER (PIN) Not Applicable	
PRODUCT USE Heavy Duty Cleaner Degreaser, Water Based			
MANUFACTURER'S NAME BUCKEYE INTERNATIONAL, INC.		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 ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES)
Soft Water	60-100	7732-18-5	Not Available	Not Available
Dipropylene Glycol n-Butyl Ether	5-10	29911-28-2	Rat Oral 4.4 g/kg	Not Available
Nonylphenoxypolyethoxy Ethanol	3-7	68412-54-4	Rat Oral 2.6 g/kg	Not Available
Tetrasodium Ethylenediamine-tetraacetate	1-3	64-02-8	Rat Oral 4.1 g/kg	Not Available

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Mild- No Perfume Added, Clear Green 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.) 12.7 ± 0.2	pH (USE DILUTION) 1:40 10.6 ± 0.2	SPECIFIC GRAVITY 1.01 ± 0.01	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 nitrogen.				
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.			
REACTIVITY, AND UNDER WHAT CONDITIONS None Known				
HAZARDOUS DECOMPOSITION PRODUCTS None Known				

PRODUCT IDENTIFIER					
BUCKEYE XL-100 NO PERFUME ADDED CODE 5051					
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					
Severe eye irritant. Not irritating to skin. Oral feeding of rats resulted in no deaths at 5010 mg/kg.					
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT					
None Known.					
EXPOSURE LIMITS	IRRITANCY OF PRODUCT		SENSITIZATION TO PRODUCT		CARCINOGENICITY
Not Available	Severe eye irritant		Not Available		No
TERATOGENICITY	REPRODUCTIVE TOXICITY		MUTAGENICITY		SYNERGISTIC PRODUCTS
No	No		No		None Known
SECTION 7 - PREVENTIVE MEASURES					
PERSONAL PROTECTIVE EQUIPMENT					
GLOVES (SPECIFY) Rubber gloves or other chemical resistant gloves. Needed for clean up of spill or for prolonged skin contact.		RESPIRATOR (SPECIFY)		EYE (SPECIFY) When eye contact may occur, wear safety glasses or chemical splash goggles.	
		None Required			
FOOTWEAR (SPECIFY) Footwear that keeps feet dry is suggested.		CLOTHING (SPECIFY) Normal Clothing		OTHER (SPECIFY) 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					
Flush to sanitary sewer or send to sanitary landfill following local, provincial and federal laws.					
HANDLING PROCEDURES AND EQUIPMENT					
Follow good personal hygiene practices.					
STORAGE REQUIREMENTS					
KEEP OUT OF REACH OF CHILDREN! Store at room temperature. Keep container closed when not in use.					
SPECIAL SHIPPING INFORMATION					
Compound, Cleaning, Liquid.					
SECTION 8 - FIRST AID MEASURES					
SPECIFIC MEASURES					
For Eyes: Flush with cool water for 15 minutes. If irritation occurs and persists, 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: 2,056,425; 2,080,352; 2,057,027. Other patents pending.					
This product is regulated under WHMIS. (D.2.B)					
			RATING		
			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 - DIRECTOR OF RESEARCH		(314) 291-1900		3/1/2006	