



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER RAM CODE: 5014		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)
Sodium Metasilicate Anhydrous	2.0	6834-92-0	Rat Oral 1.2 g/kg	Not Available
Soft Water	60-100	7732-18-5	Not Available	Not Available
Linear Primary Alcohol Ethoxylate	3-7	34398-01-1	Rat Oral 0.7-1.7 g/kg	Not Available
Sodium Xylene Sulfonate	1-5	1300-72-7	Rat Oral 4g/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.) 12.8 ± 0.2	pH (USE DILUTION) 1:10 11.8 ± 0.2	SPECIFIC GRAVITY 1.03 ± 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, nitrogen 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.
REACTIVITY, AND UNDER WHAT CONDITIONS None Known	
HAZARDOUS DECOMPOSITION PRODUCTS None Known	

PRODUCT IDENTIFIER					
RAM		CODE 5014			
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 and slight skin irritant.					
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT					
None Known.					
EXPOSURE LIMITS	IRRITANCY OF PRODUCT		SENSITIZATION TO PRODUCT		CARCINOGENICITY
Not Available	Not Available		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.					
This product is regulated under WHMIS. (D.2.B)					
			<u>RATING</u>		
			4 = EXTREME		
			3 = SERIOUS		
			2 = MODERATE		
			1 = SLIGHT		
			0 = MINIMAL		
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