



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER BUCKEYE CROSSBOW CODE: 5004		PRODUCT IDENTIFICATION NUMBER (PIN) Not Applicable	
PRODUCT USE pH Neutral, No Foam Cleaner, 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)
Water	60-100	7732-18-5	Not Available	Not Available
Alkanolamine, Phosphate Salt	5-10	10017-56-8	Not Available	Not Available
Amphoteric Surfactant	1-5	Trade Secret	Not Available	Not Available
Monoethanolamine	1-5	141-43-5	Rat Oral 1.7-2.7g/kg	Not Available
Polyether Polyol	1-5	9082-00-2	Rat Oral >10g/kg	Not Available
Octyl Dimethyl Amine Oxide	1-5	2605-78-9	Not Available	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 Floral Fragrance; Clear Purple Solution			
VAPOUR PRESSURE (mmHG) Not Available	VAPOUR DENSITY (Air=1) Not Available	EVAPORATION RATE (water=1) 1.0	BOILING POINT (°C) 100°C	FREEZING POINT (°C) 0°C
pH (CONC.) 7.6 ± 0.2	pH (USE DILUTION) 7.7 ± 0.2 1:64 (pH 7 DI water)	SPECIFIC GRAVITY 1.02 ± 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 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 CROSSBOW		CODE: 5004			
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					
May cause slight eye and skin irritation but not to an extent to be regulated under WHMIS. Not toxic by ingestion.					
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT					
None Known					
EXPOSURE LIMITS	IRRITANCY OF PRODUCT		SENSITIZATION TO PRODUCT		CARCINOGENICITY
Not Available	Not Available		None Known		No
TERATOGENICITY	REPRODUCTIVE TOXICITY		MUTAGENICITY		SYNERGISTIC PROD
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) None required		EYE (SPECIFY) When eye contact may occur, wear safety glasses or chemical splash goggles.	
FOOTWEAR (SPECIFY) Normal footwear		CLOTHING (SPECIFY) Normal clothing		OTHER (SPECIFY) 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		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 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.					
			<u>RATING</u>		
			4 = EXTREME		
			3 = SERIOUS		
			2 = MODERATE		
			1 = SLIGHT		
			0 = MINIMAL		
HAZARD	NFPA	HMIS			
HEALTH	0	0			
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		March 1, 2012