



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER BUCKEYE SANICARE PINE QUAT		CODE: 5078		PRODUCT IDENTIFICATION NUMBER (PIN) Not Applicable	
PRODUCT USE Cleaner Disinfectant, 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)
Blend of Didecyl Dimethyl and n-Alkyl Dimethyl Benzyl Ammonium Chlorides	3.85	7173-51-5	Rat Oral 590 mg/kg	Not Available
Soft Water	60-100	7732-18-5	Not Available	Not Available
Octyl Dimethyl Amine Oxide	1-5	2605-78-9	Not Available	Not Available

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Pine, 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.) 7.6 ± 0.2	pH (USE DILUTION) 7.0 ± 0.2 1:64 (pH 7 DI water)	SPECIFIC GRAVITY 1.00	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 or anionic detergents.			
REACTIVITY, AND UNDER WHAT CONDITIONS None Known				
HAZARDOUS DECOMPOSITION PRODUCTS None Known				

PRODUCT IDENTIFIER					
BUCKEYE SANICARE PINE QUAT CODE 5078					
SECTION 6 - TOXICOLOGICAL PROPERTIES					
ROUTE OF ENTRY	SKIN CONTACT	SKIN ABSORPTION	EYE CONTACT	INHALATION	INGESTION
	Yes	No	Yes	No	Yes
EFFECTS OF ACUTE EXPOSURE TO PRODUCT					
Corrosive - Causes eye and skin damage. Harmful if swallowed. Do not get on skin, in eyes or on clothing.					
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	
SYNERGISTIC PRODUCTS					
None Known					
SECTION 7 - PREVENTIVE MEASURES					
PERSONAL PROTECTIVE EQUIPMENT					
GLOVES (SPECIFY)		RESPIRATOR (SPECIFY)		EYE (SPECIFY)	
Rubber gloves or other chemical resistant gloves.		None normally required. Avoid breathing spray mist.		Wear safety glasses or chemical splash goggles.	
FOOTWEAR (SPECIFY)		CLOTHING (SPECIFY)		OTHER (SPECIFY)	
Normal Footwear		Normal Clothing		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					
Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.					
STORAGE REQUIREMENTS		KEEP OUT OF REACH OF CHILDREN!			
Store at room temperature. Keep container closed when not in use. Rinse container before discarding.					
SPECIAL SHIPPING INFORMATION					
Disinfectant, Liquid, NOIBN					
SECTION 8 - FIRST AID MEASURES					
SPECIFIC MEASURES					
Call a poison control center or doctor immediately for treatment advice. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Take container, label or product name and registration number with you when seeking medical attention.					
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.					
This product is exempt under WHMIS (DIN 01962108).				RATING	
HAZARD				4 = EXTREME	
NFPA				3 = SERIOUS	
HMIS				2 = MODERATE	
HEALTH				1 = SLIGHT	
FIRE				0 = MINIMAL	
REACTIVITY					
SECTION 9 - PREPARATION DATE OF MSDS					
PREPARED BY (GROUP, DEPARTMENT, ETC.)			PHONE NUMBER		DATE
SCOTT MAAG - DIRECTOR OF RESEARCH			(314) 291-1900		March 1, 2009