



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER BUCKEYE SANICARE PINE QUAT	CODE: 5078	PRODUCT IDENTIFICATION NUMBER (PIN) Not Applicable
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PRODUCT USE Cleaner Disinfectant, Water Based

MANUFACTURER'S NAME BUCKEYE INTERNATIONAL, INC.	SUPPLIER'S NAME
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STREET ADDRESS 2700 WAGNER PLACE	STREET ADDRESS
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CITY MARYLAND HEIGHTS	PROVINCE MISSOURI, U.S.A.	CITY	PROVINCE
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POSTAL CODE 63043-3471	MEDICAL EMERGENCY TELEPHONE NUMBER 1-800-303-0441	POSTAL CODE	EMERGENCY TELEPHONE NO.
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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 Pinet, Clear Green Solution
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VAPOUR PRESSURE (mmHG) Not Available	VAPOUR DENSITY (Air=1) Not Available	EVAPORATION RATE (Water =1) 1	BOILING POINT (°C) 100°	FREEZING POINT (°C) 0°
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pH (CONC.) 7.6 ± 0.2	pH (USE DILUTION) 1:64 7.1 ± 0.2	SPECIFIC GRAVITY 1.00	COEFF. WATER/OIL DIST. Not Available	ODOUR THRESHOLD (ppm) Not Available
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SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY IF YES, UNDER WHICH CONDITIONS? No

MEANS OF EXTINCTION Not Applicable
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FLASHPOINT (C) AND METHOD Tag Closed Cup-None!	UPPER FLAMMABLE LIMIT (% BY VOLUME) Not Applicable	LOWER FLAMMABLE LIMIT (% BY VOLUME) Not Applicable
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HAZARDOUS COMBUSTION PRODUCTS Oxides of carbon and nitrogen

EXPLOSION DATA	SENSITIVITY TO IMPACT Not Applicable	SENSITIVITY TO STATIC DISCHARGE Not Applicable
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SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY IF NO, UNDER WHICH CONDITIONS? Yes

INCOMPATIBILITY WITH OTHER SUBSTANCES? IF SO, WHICH ONES? Yes	Do not mix with chlorine bleach or anionic detergents.
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REACTIVITY, AND UNDER WHAT CONDITIONS None Known
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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
	Yes	No	Yes
INHALATION			INGESTION
		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	CARCINOGENICITY
Not Available	Corrosive	No	No
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
No	No	No	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	
		4 = EXTREME	
		3 = SERIOUS	
		2 = MODERATE	
		1 = SLIGHT	
		0 = MINIMAL	
HAZARD	NFPA	HMIS	
HEALTH	3	3	
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	