

**Buckeye International, Inc.**2700 Wagner Place  
Maryland Heights, MO 63043  
314/291-1900**N. F. P. A.**4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

	HEALTH	<b>3</b>
	FIRE	<b>0</b>
	REACTIVITY	<b>0</b>

**Material Safety Data Sheet****24 Hour Medical Emergency Telephone Number: 1-800-303-0441. Outside North America call : 651-632-8956.****24 Hour Transportation Emergency Telephone Number: 1-800-535-5053. Outside North America call : 352-323-3500.**

<b>SECTION I - IDENTIFICATION</b>				
PRODUCT NAME <b>BUCKEYE TWO-O-ONE</b>			DATE PREPARED April 1, 2005	
CHEMICAL FAMILY Heavy Duty Cleaner Degreaser, Water Based			CODE 5055	
PROPER D.O.T. SHIPPING NAME Corrosive Liquids, n.o.s. (contains Sodium Hydroxide), 8, UN 1760, PG II.				
D.O.T. HAZARD CLASSIFICATION Corrosive Material				
<b>SECTION II - INGREDIENTS AND IDENTITY INFORMATION</b>				
% By WGT	MATERIAL	PEL	T.L.V.	C.A.S. NO.
4.4	Sodium Hydroxide	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	1310-73-2
>75.6	Water	NE	NE	7732-18-5
<7.0	Dipropylene Glycol n-Butyl Ether	NE	NE	29911-28-2
<3.0	Sodium Metasilicate	NE	NE	6834-92-0
<5.0	Neodecanoic Acid	NE	NE	26896-20-8
<3.0	Tetrasodium Ethylenediaminetetraacetate	NE	NE	64-02-8
<2.0	Perfume, Coloring and Additives less than 1%	NA	NA	NA
ITEMS MARKED * ARE SARA TITLE III SEC 313 REPORTABLES. ALL INGREDIENTS ARE ON TSCA INVENTORY.				
<b>SECTION III - PHYSICAL DATA</b>				
BOILING POINT °F	212°F	pH (CONC.)		13.3 ± 0.2
SOLUBILITY IN WATER	Infinite	pH (USE DILUTION) 1:40		11.6 ± 0.2
% VOLATILE BY WEIGHT	90.0	EVAPORATION RATE (Water=1)		1.0
SPECIFIC GRAVITY	1.06	PRODUCT FORM		Liquid
APPEARANCE AND ODOR	Citrus, Clear Yellow Solution			
<b>SECTION IV - FIRE AND EXPLOSION DATA</b>				
FLASH POINT (Test Method)	Tag Closed Cup: None!	<b>FLAMMABLE LIMITS</b>		
EXTINGUISHING MEDIA	NA	UPPER LIMIT:	NA	LOWER LIMIT: NA
SPECIAL FIRE FIGHTING PROCEDURES	Wear alkali resistant clothing.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Products of combustion. Oxides of sulfur, carbon, silicon and nitrogen.			
<b>SECTION V - REACTIVITY DATA</b>				
STABILITY	Stable			
CONDITIONS TO AVOID	None known.			
INCOMPATIBILITY	Do not mix with chlorine bleach or acids.			
HAZARDOUS DECOMPOSITION PRODUCTS	None known.			
HAZARDOUS POLYMERIZATION	Will not occur.			

CODE: 5055

<b>SECTION VI - HEALTH HAZARD DATA</b>	
ROUTE(S) OF ENTRY:	INHALATION? Yes SKIN? Yes INGESTION? Yes
HEALTH HAZARDS (Acute and Chronic)	
Corrosive. Will cause burns to eyes and skin. Harmful or fatal if swallowed. Mist will be irritating to skin and mucous membranes and may cause burns.	
CARCINOGENICITY:	NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No
SIGNS AND SYMPTOMS OF OVEREXPOSURE	
For Eyes: Redness or burning sensation. For Skin: Redness of skin or a warming sensation. For Inhalation: Irritation and burning sensation. For Ingestion: Nausea, headache.	
MEDICAL CONDITIONS	
GENERALLY AGGRAVATED BY EXPOSURE	
Dermatitis. Can cause defatting of skin tissue.	
EMERGENCY AND FIRST AID PROCEDURES	
For Eyes: Flush with cool water for 15 minutes. See physician. For Skin: Flush with water for 15 minutes. If irritation occurs and persists, see physician. For Inhalation: Remove to fresh air. Call physician. For Ingestion: Give two large glasses of water. DO NOT induce vomiting. Call physician immediately! Never give anything by mouth to an unconscious person.	
<b>SECTION VII - SPILL OR LEAK PROCEDURES</b>	
SPILL RESPONSE	
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	
METHOD Flush to sanitary sewer or send to sanitary landfill, following local, state and federal laws.	
<b>SECTION VIII - SPECIAL PROTECTION INFORMATION</b>	
EYE PROTECTION	VENTILATION
Wear safety glasses or chemical splash goggles.	Normal room ventilation.
SKIN PROTECTION	RESPIRATORY PROTECTION:
Rubber gloves or other impervious gloves.	None normally required. Dust/mist respirator is needed when product is sprayed.
OTHER PROTECTION	
	Wear water or chemical resistant footwear when scrubbing floors. Chemical goggles and face shield with clothing that will keep the skin covered and dry is needed when product is sprayed. Follow good personal hygiene practices.
<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
PRECAUTIONS IN HANDLING AND STORAGE	<b>KEEP OUT OF REACH OF CHILDREN!</b> Keep container closed when not in use. Store away from acids. Store at room temperature. Store on low shelves. Rinse container before discarding. If concentrated or diluted product is allowed to dry on glass, etching may occur.
OTHER PRECAUTIONS NE = Not Established NA = Not Applicable	This product is not regulated under CERCLA. This product is not regulated under RCRA when product label and MSDS spill directions are followed. If more than 10,000 lbs. is stored in a single day, product may require reporting under SARA Title III, Section 311/312 as an immediate health hazard. 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 and 5,849,682. Other patents pending.
<b>PREPARED BY:</b>	Mark Gindling, Director of Research
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