



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	0
	FIRE	0
	REACTIVITY	0

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.

SECTION I - IDENTIFICATION				
PRODUCT NAME BUCKEYE ECHO			DATE PREPARED April 1, 2005	
CHEMICAL FAMILY Powdered Laundry Detergent			CODE 5702	
PROPER D.O.T. SHIPPING NAME Compound, Cleaning, Powder				
D.O.T. HAZARD CLASSIFICATION None				
SECTION II - INGREDIENTS AND IDENTITY INFORMATION				
% By WGT	MATERIAL	PEL	T.L.V.	C.A.S. NO.
>3.0	Sodium Chloride	NE	NE	7647-14-5
<46.0	Sodium Carbonate	NE	NE	497-19-8
<17.0	Sodium Sesquicarbonate	NE	NE	533-96-0
<16.0	Sodium Citrate	NE	NE	68-04-2
<9.0	Sodium Metasilicate Pentahydrate	NE	NE	6834-92-0
<6.0	Nonyl Phenol Ethoxylate	NE	NE	9016-45-9
<2.0	Sodium Carboxy Methyl Cellulose	NE	NE	9004-32-4
<1.0	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.				
SECTION III - PHYSICAL DATA				
BOILING POINT °F	NA	pH (CONC.)		NA
SOLUBILITY IN WATER	Infinite	pH (USE DILUTION) 2%		11.5 ± 0.2
% VOLATILE BY WEIGHT	<1%	EVAPORATION RATE (Water=1)		NA
SPECIFIC GRAVITY	56.3 lb/cu. ft.	PRODUCT FORM		Powder
APPEARANCE AND ODOR	Citrus, White Powder			
SECTION IV - FIRE AND EXPLOSION DATA				
FLASH POINT(Test Method)	NA	FLAMMABLE LIMITS		
EXTINGUISHING MEDIA	NA	UPPER LIMIT: NA	LOWER LIMIT: NA	
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Products of combustion. Oxides of carbon, silicon and chlorine.			
SECTION V - REACTIVITY DATA				
STABILITY	Stable			
CONDITIONS TO AVOID	None known.			
INCOMPATIBILITY	Do not mix with chlorine bleach.			
HAZARDOUS DECOMPOSITION PRODUCTS	None known.			
HAZARDOUS POLYMERIZATION	Will not occur.			

SECTION VI - HEALTH HAZARD DATA			
ROUTE(S) OF ENTRY:	INHALATION? No	SKIN? Yes	INGESTION? No
HEALTH HAZARDS (Acute and Chronic)			
May cause eye and skin irritation.			
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.			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE			
None known.			
EMERGENCY AND FIRST AID PROCEDURES			
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: Give two large glasses of water. DO NOT induce vomiting. Call physician. Never give anything by mouth to an unconscious person.			
SECTION VII - SPILL OR LEAK PROCEDURES			
SPILL RESPONSE			
Sweep up material. Rinse area with clear water and allow floor to dry before allowing traffic.			
WASTE DISPOSAL METHOD			
Send to sanitary landfill following local, state and federal laws.			
SECTION VIII - SPECIAL PROTECTION INFORMATION			
EYE PROTECTION	When eye contact may occur	VENTILATION	
	wear safety glasses or chemical splash goggles.		Normal room ventilation.
SKIN PROTECTION	Rubber gloves or other impervious gloves.*	RESPIRATORY PROTECTION	None required.
OTHER PROTECTION	Follow good personal hygiene practices.		
	*Needed for clean up of spill or for possible prolonged skin contact.		
SECTION IX - SPECIAL PRECAUTIONS			
PRECAUTIONS IN HANDLING AND STORAGE	KEEP OUT OF REACH OF CHILDREN! Keep container closed when not in use. Store in cool dry area.		
OTHER PRECAUTIONS	This product is not regulated under CERCLA or RCRA. Not reportable under SARA Title III, Section 311/312.		
NA = Not Applicable NE = Not Established			
PREPARED BY:	Mark Gindling, Director of Research		
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