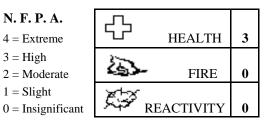


Buckeye International, Inc. 2700 Wagner Place Maryland Heights, MO 63043 314/291-1900



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.

PRODUCT	ON I - IDENTI				DATE PREPARED	
INODUCI						
		April 1, 2005				
CHEMICA	AL FAMILY		NU (D	1	CODE	
		eavy Duty Cleaner De	greaser, Water Base	ed	5055	
PROPER I						
SHIPPING	NAME CO	prrosive Liquids, n.o.s	s. (contains Sodium I	Hydroxide), 8	, UN 1760, PG II.	
D.O.T. HA						
CLASSIFI	CATION CO	orrosive Material				
SECTION	ON II - INGRE	DIENTS AND IDEN	TITY INFORMA	ΓΙΟΝ		
% By WG	Г	MATERIAL	PEL	T.L.V.	C.A.S. NO.	
4.4	Sodium Hydroxide		2 mg/m^3	2 mg/m^3	1310-73-2	
>75.6	Water		NE	NE	7732-18-5	
<7.0	Dipropylene Glyco	ol n-Butyl Ether	NE	NE	29911-28-2	
<3.0	Sodium Metasilica		NE	NE	6834-92-0	
<5.0	Neodecanoic Acid		NE	NE	26896-20-8	
<3.0	Tetrasodium Ethyl	enediaminetetraacetate	NE	NE	64-02-8	
<2.0		and Additives less than 19	% NA	NA	NA	
ITEMS N	MARKED * ARE SAR	A TITLE III SEC 313 REPO	RTABLES. ALL INGRE	DIENTS ARE ON	TSCA INVENTORY.	
SECTIO	ON III - PHYSI	CAL DATA				
BOILING POINT °F		212°F	pH (CONC.)		13.3 ± 0.2	
SOLUBIL	ITY IN WATER	Infinite	pH (USE DIL)	UTION) 1:40	11.6 ± 0.2	
% VOLAT	TILE BY WEIGHT	90.0	EVAPORATION	N RATE (Water=1)	1.0	
SPECIFIC GRAVITY		1.06	PRODUCT FO	ORM	Liquid	
APPEARA	NCE AND ODOR	Citrus, Clear Yellow	Solution			
SECTIO	ON IV - FIRE	AND EXPLOSION I	DATA			
FLASH PO	DINT (Test Method)	Tag Closed Cup: 1	None!	FLAMMABL	E LIMITS	
EXTINGU	ISHING MEDIA	NA	UPPER LIMIT	Г: NA	LOWER LIMIT: NA	
SPECIAL	FIRE FIGHTING PRO	CEDURES	Wear alkali resis	tant clothing.		
UNUSUAI	L FIRE AND EXPLOS	ION HAZARDS	Products of comb	bustion.		
			Oxides of sulfur,	carbon, silicon	and nitrogen.	
	ON V - REACT	TIVITY DATA				
SECTIO		Stable				
	Ŷ	None known.				
STABILIT	ONS TO AVOID	None known.				
STABILIT CONDITIO			lorine bleach or acids.			
STABILIT CONDITIC INCOMPA	ONS TO AVOID	Do not mix with ch	llorine bleach or acids. None known.			

~~~~~		E: 5055					
	EALTH HAZARD DAT						
ROUTE(S) OF ENTRY:	INHALATION? Ye	es SKIN?	Yes	INGESTION? Yes			
HEALTH HAZARDS (Act	ite and Chronic)						
	burns to eyes and skin. Harr skin and mucous membranes NTP? No IARC		ırns.	OSHA REGULATED? No			
SIGNS AND SYMPTOMS							
-	ourning sensation. For Skin: I			-			
	on and burning sensation. For	Ingestion: Naus	ea, head	ache.			
MEDICAL CONDITIONS							
GENERALLY AGGRAVA	TED BY EXPOSURE						
Dormatitie Can caus	e defatting of skin tissue.						
EMERGENCY AND FIRS							
	ool water for 15 minutes. See	physician					
-	ater for 15 minutes. If irritation		sts. see r	physician.			
	e to fresh air. Call physician.	persi	,				
	o large glasses of water. DO l	NOT induce vomi	ting. Ca	ll physician immediately!			
-	y mouth to an unconscious pers		0				
	PILL OR LEAK PROC						
SPILL RESPONSE							
	tary sewer or send to sanitary l SPECIAL PROTECTIO	-		ate and federal laws.			
EYE PROTECTION		VENT	TILATIO	N			
Wear safety glasses or	chemical splash goggles.			Normal room ventilation.			
SKIN	Rubber gloves or			Y None normally required. Dust/mist			
PROTECTION	other impervious gloves.			: respirator is needed when product is sprayed.			
OTHER	Wear water or chemical res			•			
PROTECTION	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.						
	PECIAL PRECAUTION						
PRECAUTIONS IN	KEEP OUT OF REACH						
HANDLING AND	Keep container closed when not in use. Store away from acids.						
STORAGE	Store at room temperature. Store on low shelves. Rinse container before discarding.						
OTHED	If concentrated or diluted product is allowed to dry on glass, etching may occur.						
OTHER	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						
PRECAUTIONS NE = Not Established	lbs. is stored in a single day, product may require reporting under SARA Title III,						
NA = Not Applicable	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 p			-, - = -, - i -, - ; - ; - ; - ; - ; - ; - ; - ; - ;			
PREPARED BY:							
	Mark Gindling, Director of	Research					
Disclaimer of Liability	Mark Gindling, Director of	Research					