

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
PRODUCT NAME: 03 Spot & Stain			Part No. 03 S.S.		
DATE: July 10, 2008					
TRADE NAME: 03 Spot & Stain GENERAL USE: Spot & Stain Remover CHEMICAL FAMILY: Solvents, Detergents Blend					
PRODUCT DESCRIPTION: Clear colorless liquid with a mild butyl odor.					
MANUFACTURER The Oreck Manufacturing Co.			DATE PREPARED: July 10, 2008 SUPERSEDES: March 2, 1999		
ADDRESS (NUMBER, STREET, P.O. BOX) 21180 Johnson Road			TELEPHONE NUMBER FOR INFORMATION / Customer Service 931-646-3523 or 800-535-8810.		
(CITY, STATE AND ZIP CODE) Long Beach, MS 39560		COUNTRY USA	CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER 1-800-255-3925 01-813-248-0574 North America Toll Free International		
SECTION 2 - HAZARDOUS INGREDIENTS					
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 16)
2-Butoxyethanol	2.4	111-76-2	203-905-0	(+Xn)	R20/21/22, R36/38
Notes: The balance of the remaining ingredients are not hazardous as defined by the OSHA hazardous communication standard.					
SECTION 3 - HAZARDS IDENTIFICATION					
EMERGENCY OVERVIEW					
POTENTIAL HEALTH EFFECTS					
INHALATION: May cause shortness of breath and possible respiratory irritation.					
SKIN: Can result in irritation.					
EYES: Will cause burns and irritation.					
INGESTION: Possible nausea, cramps, diarrhea, and vomiting.					
CARCINOGENICITY:					
NTP? NO		IARC MONOGRAPHS? NO		OSHA REGULATED? NO	
CALIFORNIA, Prop.65? NO					
SECTION 4 - FIRST AID MEASURES					
INHALATION: Take victim to fresh air, seek medical assistance if breathing remains difficult.					
EYES: Wash well with clean water while holding eyelids open away from eye to assure good irrigation. Seek medical attention.					
SKIN: Remove contaminated clothing and launder. Wash exposed skin with plenty of soap and water.					
INGESTION: Do not induce vomiting, drink plenty of water, seek medical attention immediately.					
SECTION 5 - FIRE FIGHTING MEASURES					



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GENERAL HAZARDS: Not flammable.								
EXTINGUISHING MEDIA: Water spray to fight surrounding fire.								
FIRE FIGHTING PROCEDURES: Use NIOSH or European Standard EN-149 approved respirator if TLV's exceed limits.								
UNUSUAL FIRE AND EXPLOSION HAZARDS: None applicable								
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, Smoke, Carbon Dioxide.								
SECTION 6 - ACCIDENTAL RELEASE MEASURES								
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: HALT SPILL AT SOURCE AND CONTAIN OR DIKE SPILL WITH INERT ABSORBENT MATERIAL. TRANSFER LIQUID TO CONTAINERS FOR RECOVERY DISPOSAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.								
SECTION 7 - HANDLING AND STORAGE								
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep in original container well sealed. Do not store in the vicinity of strong oxidizers.								
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION								
HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TLV/TWA ppm	TWA mg/m ³	PEL ppm	PEL mg/m ³
2-Butoxyethanol	5	24	700 IDLH		20		50	240
PERSONAL PROTECTION								
RESPIRATORY PROTECTION: NOT NEEDED IN A VENTILATED AREA.								
PROTECTIVE GLOVES: Impervious gloves recommended for prolonged exposures.								
EYE PROTECTION: Safety glasses with side shields where a splash hazard exists.								
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required.								
WORK / HYGIENIC PRACTICES: Wash hands after use.								
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES								
APPEARANCE AND ODOR Clear colorless liquid with a mild butyl odor.				VAPOR PRESSURE NE				
pH NE				SPECIFIC GRAVITY (WATER = 1) 1.002				
BOILING POINT / BOILING RANGE >200°F (95°C)				SOLUBILITY IN WATER Completely soluble.				
FLASH POINT None				VISCOSITY NE				
FLAMMABLE LIMITS LEL: NA UEL: NA				VAPOR DENSITY (AIR = 1) NE				
AUTOIGNITION TEMPERATURE NA				EVAPORATION RATE (WATER = 1) NE				

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SECTION 10 - STABILITY AND REACTIVITY			
STABILITY	STABLE	X	CONDITIONS TO AVOID: None
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Monoxide, Smoke under fire conditions.			
HAZARDOUS POLYMERIZATION: Will not occur		CONDITIONS TO AVOID: None related to polymerization	
SECTION 11 - TOXICOLOGICAL INFORMATION			
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
2-Butoxyethanol*	111-76-2 203-905-0	Oral, rat: LD50 = 470 mg/kg Oral, mouse: LD50 = 1167 mg/kg	Inhalation, rat: LC50 = 450 ppm/4H;
*Humans are less susceptible than rodents to 2-butoxyethanol exposure. 2-Butoxyethanol gives toxic results when tested on rabbits and rats. It does not behave the same when humans are exposed to it. This is explained by the different makeup of the red blood cells of test animals vs. humans. Test animal red blood cells are hypersensitive to 2-butoxyethanol when compared to humans.			
SECTION 12 - ECOLOGICAL INFORMATION			
An estimated BCF value of 2.5, from an experimental log Kow, suggests that ethylene glycol mono-n-butyl ether bioconcentration in aquatic organisms will be low, according to a recommended classification scheme. 24-Hr. LC50; goldfish: 1650 mg/L 96-Hr. LC50; bluegill sunfish: 1490 mg/L 96-Hr. LC50; tidewater silversides: 1250 mg/L.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. MATERIAL SHOULD NOT BE FLUSHED INTO SEWER SYSTEM. IF THE PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER THE RCRA 40 CFR 261K SINCE IT HAS NEITHER THE CHARACTERISTICS OF SUBPART C NOR IS LISTED IN SUBPART D. AFTER THE MATERIAL HAS BEEN COLLECTED, DISPOSE OF IN ACCORDANCE WITH ALL REGULATIONS APPLICABLE TO NON-HAZARDOUS LIQUID WASTES.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Not regulated for domestic transport.		IATA HAZARD CLASS / Pack Group: Not regulated	
DOT HAZARD CLASS / Pack Group: Not regulated for domestic transport.		IMDG HAZARD CLASS: Not regulated	
REFERENCE: 49 CFR		RID/ADR Dangerous Goods Code: NA	
UN / NA IDENTIFICATION NUMBER: None		UN TDG Class / Pack Group: None	
LABEL: None required.		Hazard Identification Number (HIN): NA	
HAZARD SYMBOLS:			
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			
SECTION 15 - REGULATORY INFORMATION			
TSCA (USA - Toxic Substance Control Act):		Ingredients listed.	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health: NO		Chronic Health: NO	
Fire: NO		Sudden Release of Pressure: NO	
Reactive: NO			

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313 REPORTABLE INGREDIENTS: None reportable.			
CERCLA (USA - Comprehensive Response Compensation and Liability Act):		NO RQ's applicable.	
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:		None	
CPR (Canadian Controlled Products Regulations):		NA	
IDL (Canadian Ingredient Disclosure List):		CAS# 111-76-2 is listed. WHIMIS: Classification B3, D1A, D2B	
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):		Listed on DSL.	
EINECS (European Inventory of Existing Commercial Chemical Substances):		Hazardous components listed.	
WGK Water Quality Index: 0			
RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:	
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R36/38: Irritating to eyes and skin.	 (+Xn); Harmful	S2: Keep out of the reach of children. S36/37: Wear suitable protective clothing and gloves. S46: If swallowed, seek medical advice immediately and show this container or label.	
SECTION 16 - OTHER INFORMATION			
Legend: NA=Not Applicable, NE= Not established.			
HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	1 0 0 C	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
REVISION SUMMARY:			
Revised to E.U./GHS protocols 7/10/2008, supersedes March 2, 1999			
MSDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com			
<small>The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.</small>			