	MATERIAL	SAFETY DATA	A SHEET		
<b>NFPA RATING:</b> Health = $2$ Fl	ammability = 0		0		
	ammability = $0$	•	0		
SECTION I IDENTITY AND M	ANUFACTURE	<b>ER'S INFORMAT</b>	<b>TION</b> (1077A)		
Manufacturer's Name: HILLYAR			me: DE/CL-100		
	Fourth Street		red: April 28, 2008		
St. Joseph, 1		Prepared b	-	airs Department	
Emergency Telephone No.: (800) 4		-			
exposure or accident involving chem	•		•••	233-1321 (Ext. 8285)	
exposure of accident involving chem	icals.)	Other mor			
SECTION II INGREDIENTS/II	ENTITV INFO	DMATION	<u>nup://v</u>	www.hillyard.com	
		KINATION			
Components (Spacific Chamical Identity)				OTHED I IMITS	
(Specific Chemical Identity: Common Name(s)	CAS#	OCILA DEL	ACCIUTIV	OTHER LIMITS	0/
		OSHA PEL	ACGIH TLV	RECOMMENDED N/A	% <5.5
Butyl cellosolve (2-Butoxyethanol) * (1)	6834-92-0	50 ppm	20 ppm	$2 \text{ mg/M}^3$	
Sodium metasilicate (2)		not established	not established	2 mg/w N/A	<5.5
Water Sodium Xylene Sulfonate	7732-18-5 1300-72-7	not established	not established	N/A N/A	
Tetrasodium salt of EDTA	64-02-8	not established not established	not established not established	N/A N/A	
* This product contains the following ch					
2-Butoxyethanol.	ennical subject to h	eporting requirement	is of SARA The III, S	ec. 515, and 40 CFK Fai	1372.
(1) Regulated by OSHA and the following	ng statos: EL II	IA MA NI DA D'	r		
(1) Regulated by OSHA and the following (2) Exposure may be elevated for Sodiu					
VOC - 57 g/1.; VOC less water - 631 g/1		$\sin A$ , $\Gamma \Box \Box = 2 \operatorname{Im} g/1$		•	
$v = 57 g/1.$ , $v = 1000 m m^2$					
SECTION III PHYSICAL / CHI	EMICAL CHAR	ACTERISTICS			
Boiling Point: corr.		c Gravity ( $H_2O = 1$ )	$: 25^{\circ}C = 1.04$	& 39°C = 1.04	
Vapor Pressure (mm Hg.):		t Volatile by Volum			
Vapor Density (AIR = 1):		ation Rate (ethyl et		r than 1	
Solubility in Water: comp	1	, <b>,</b>	clear blue to purple liqu		
pH (concentrate) = 12.5 - 1		ance and Ouor:	clear blue to purple liq	uid, illiid solvelit odol	
$\mathbf{p}\mathbf{H}\left(\mathbf{concentrate}\right) = 12.3 -$	15.5				
SECTION IV FIRE AND EXPL					
			$\sim$ $1  \mathrm{EI}$ $\mathrm{N}/\mathrm{A}$	LIEL – N/A	
Flash point: None (T.C.		Flammable Lir		UEL = N/A	
<b>Extinguishing Media:</b> Foam,					
Special Fire Fighting Procedu	res: Self-contained	a breatning apparatu	s and protective clothin	ig should be worn in ligh	ung
fires involving chemicals.	Iomondos None las				
Unusual Fire and Explosion H	iazarus: mone kno	own to manufacturer			
SECTION V PHYSICAL HAZA	PDS				
		na to Amaid. M	/ <b>A</b>		
Stability: Stable	Condition	ns to Avoid: N	/A		

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Incompatibility (Materials to Avoid): Do not mix with strong acids.
Hazardous Decomposition Products or Byproducts: As with any organic material, combustion will produce carbon dioxide and carbon monoxide.
Hazardous Polymerization: Will not occur
Conditions to Avoid: N/A

# SECTION VI -- HEALTH HAZARD DATA

**Routes of entry:** Inhalation? Yes Skin? Yes Ingestion? Yes 1. When tested according to Federal Hazardous Substance Act product produced moderate skin irritation and the concentrate was found to be corrosive to the eyes. Also test on the concentrate showed that the acute oral LD50 was greater than 5.0 g./kg. Inhalation testing showed that the LC50 nominal concentration to be 14.8 mg./l.(actual concentration of 18.6 mg./l.). 2. None known to manufacturer.

# HEALTH HAZARDS (1. Acute and 2. Chronic)

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No I.A.R.C. Monographs = No OSHA = NoThis product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

**Signs and Symptoms of Exposure:** Butyl cellosolve is readily absorbed through the skin in toxic amounts. Inhalation of high concentration of vapors results in respiratory and eye irritation, narcosis, hematuria and damages liver and kidneys.

**Medical Conditions Generally Aggravated by Exposure:** Repeated overexposure may result in damage to the blood. **Emergency and First Aid Procedures:** If you experience difficulty in breathing leave the are to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact immediately flush with plenty of water for 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. Thoroughly clean contaminated shoes. If swallowed, immediately give large amounts of water and CALL A PHYSICIAN, hospital emergency room or poison control center.

# SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb large spills with floor dry material (see disposal below). Small spills: Flush with water and pick up with mop or wet vacuum.

**Waste Disposal Method:** Dispose of in accordance with state or local regulations. EPA Hazardous Waste Classification: Corrosive (pH = 12.5 - 13.5 on concentrate). Do not dispose of in storm drains or streams.

**Precautions To Be Taken In Handling And Storing:** Keep container closed when not in use. Since empty packages retain product residue, follow label warning even after package is empty. Spray mist may produce respiratory irritation or damage and increase susceptibility to respiratory illness.

**Other Precautions:** USE WITH ADEQUATE VENTILATION. Avoid breathing vapors or spray mist. Open windows and doors, use exhaust fans or other means to insure fresh air entry during application and drying. Refer to OSHA Standard 29 CFR 1910.94 for technical guidelines on keeping air contamination below acceptable exposure limits.

### SECTION VIII -- CONTROL MEASURES

**Respiratory Protection (Specify Type):** Ventilate to keep air below TLV. A NIOSH approved respirator for organic vapor should be worn if needed to keep level below TLV.

Ventilation:

Local Exhaust =RecommendedMechanical (General) =RecommendedSpecial =N/AOther =N/AProtective Gloves:Impervious rubber glovesEye Protection:Chemical safety gogglesOther Protective Clothing or Equipment:Impervious boots and aprons where splashing of concentrate is a problem; otherwise, use uniforms or coveralls.

Work / Hygienic Practices: Wash thoroughly after handling.

# SECTION IX - TRANSPORTATION INFORMATION

 Applicable regulations: 49 CFR = no; IMCO = no; IATA = no

 Proper shipping name: Cleaning compound

 UN NO.: not applicable
 Limited Qty.: not applicable

 Hazard Class = not applicable

 Labels required: not required
 DOT Exception: not applicable

 EPA Hazardous waste number / code: not listed

 Hazardous waste characteristics:

 Ignitability = not applicable; Corrosivity = yes; Reactivity = not applicable

#### **DISCLAIMER OF WARRANTIES**

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

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