

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: **Knockout** PRODUCT I.D. NUMBER (PIN): N.A.
 PRODUCT NUMBER: 00354 WHMIS CLASS: D2B
 PRODUCT USE: Heavy duty cleaner and degreaser DOT HAZARD CLASS:
 Non-Hazardous
 COMPANY: **LEWIS COUNTY CHEMICAL** SHIPPING NAME:
 P.O. BOX 901 N.A.
 223 NW CHEHALIS AVE.
 CHEHALIS, WA 98532
 EMERGENCY PHONE: (206) 748-0336

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H.M.I.S.

3	HEALTH	HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	FIRE	
0	REACTIVITY	
C	MAXIMUM PERSONAL PROTECTION	

A = Goggles, B = Goggles & Gloves, C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. = Not Applicable, N.E. = Not Established, N.D. = Not Determined

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Water	7732-18-5	60-100	N.E.	N.E.	N.D.	N.D.
2-Butoxyethanol	111-76-2	5	25ppm	25ppm	1.48g/kg	N.D.
Monoethanolamine	141-43-5	1-5	3ppm	3ppm	1720mg/kg	N.D.
Sodium tripolyphosphate	7758-29-4	1-5	N.E.	N.E.	4100mg/kg	N.D.
Sodium xylene sulfonate	1300-72-7	1-5	N.E.	N.E.	N.D.	N.D.

This mixture contains 5% 2-Butoxyethanol which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

SECTION 3 - PHYSICAL DATA

Color and Odor: Purple - Pine Boiling Point: 212°F 100°C Vapor Pressure (mm HG): <37 pH: 12.5
 Physical State: Liquid Freezing Point: 32°F 0°C Vapor Density (Air=1): <1.4 Specific Gravity: 1.048
 Odor Threshold: N.A. Water/Oil Distribution: N.A. Evaporation Rate (Water=0.3): <0.4 Solubility in Water: Complete

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A. Autoignition Temperature: N.A. Extinguishing Media: Use media proper to the primary cause of fire.
 Flammable Limits: N.A. LEL: N.A. UEL: N.A. Special Fire Fighting Procedures: None
 Hazardous Combustion Products: N.A. Unusual Fire and Explosion Hazards: None

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes No
 Incompatibility (Materials to Avoid): Strong acids and oxidizers.
 Hazardous Decomposition of By-Products: None known
 Hazardous Polymerization: May Occur Will Not Occur

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion, Inhalation, Skin, Eyes Toxicologically Synergistic Products: None known
 Sensitization: Yes No Medical Conditions Aggravated by Exposure: None known
 Carcinogenicity: None Teratogenicity: None Mutagenicity: None Reproductive Toxicity: None

EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):

Eyes: May cause severe irritation, redness, burns and possible corneal injury.
 Skin: May cause severe irritation, redness, burns. May be absorbed through skin with prolonged or repeated contact.
 Ingestion: May cause severe irritation or burning of gastrointestinal tract and possible mucosal injury.
 Inhalation: May irritate respiratory tract when used with inadequate ventilation.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: None normally required with adequate room ventilation. Ventilation: Local Exhaust: Acceptable Mechanical: Recommended
 Protective Gloves: Rubber/Neoprene. Eye Protection: Chemical splash goggles.
 Protective Clothing and Equipment: Full cover clothing - rubber apron. Work and Hygienic Practices: Wash thoroughly after use.
 Storage Requirements: Store in cool, dry area. Follow good housekeeping practices. Other Requirements: Keep out of the reach of children.

Steps To Be Taken If Material Is Spilled Or Released: Collect and reuse if possible. Dilute and flush to sewer with large quantities of water if permitted by regulatory authorities or absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.
 Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Flush with a large amount of water for 15 minutes holding eyelids open. Seek medical attention.
 Skin: Remove contaminated clothing and footwear. Flood/shower with water.
 Ingestion: Rinse mouth with water. Give 2-3 large glasses of water. Do not induce vomiting. Seek medical attention.
 Inhalation: Remove to fresh air and rest. In all cases, if symptoms persist, seek medical attention.

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department Phone: Date of Preparation: December, 1993

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