

MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | HE Liquid Laundry Detergent

PRODUCT CODE |

ISSUE DATE | 9-12-08

EMERGENCY TELEPHONE NUMBERS

MANUFACTURER	Chemblend International	Transportation:	(800) 424-9300*
STREET ADDRESS	46 Morton Street	* For spill, leak, fire or transport accident emergencies.	
CITY, STATE, ZIP	Stoughton, MA 02072	Product Information:	(781) 344-8688

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	OSHA PEL	<u>EXPOSURE LIMITS</u>	
				ACGIH TLV	NIOSH REL
Alcohol ethoxylate	68213-23-0	5 - 15	NE	NE	NE
Alcohol ethoxylate	61791-31-7	3 - 15	NE	NE	NE

*-- Asterisk ingredients are considered hazardous according to the criteria of 29 CFR 1910.1200
 Other ingredients are listed for informational purposes to assist emergency medical response personnel.

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Can cause eye and skin irritation. Harmful if swallowed.
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POTENTIAL HEALTH EFFECTS	
INGESTION	Harmful if swallowed. May cause irritation of mouth and throat, nausea, And vomiting.
INHALATION	May cause respiratory tract irritation.
EYE CONTACT	May cause eye irritation.
SKIN CONTACT	May cause skin irritation.

SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed: Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Obtain medical attention.
INHALATION	If inhaled: Remove the affected individual into fresh air and keep the person calm. Assist in Breathing if necessary. Seek medical attention.
EYE CONTACT	Immediately flush eye with plenty of cool running water. Remove contact lenses after the first five minutes if applicable and continue flushing for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT	Wash with soap and water for at least 10 minutes. If irritation develops seek medical attention.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	Not Combustible	FLAMMABLE LIMITS	None
EXTINGUISHING MEDIA	Use water, alcohol foam and dry chemical.		
SPECIAL FIRE FIGHTING PROCEDURES	Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including positive pressure self-contained breathing apparatus. Cool fire-exposed containers with water to prevent vapor pressure buildup.		
FIRE AND EXPLOSION HAZARDS	Contain contaminated water/firefighter water.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Do not discharge into drains/surface waters/groundwater. Wear appropriate respiratory protection. Use person protective clothing and rubber boots. Ensure adequate ventilation. Avoid contact with Skin and clothing. Dispose of cleanup in accordance with regulations. For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, and kieselguhr). For large amounts: Dike spillage. Pump of product.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store upright in a cool dry place.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Wear protective clothing as necessary to prevent contact.
ENGINEERING CONTROLS	Good general ventilation should be sufficient to control airborne levels. Facilities using this product should be equipped with an eyewash station.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	Avoid inhalation of mists. If cleanup or exposure involves mist wear appropriate respirator.
X	GOGGLES / FACE SHIELD	Recommended; goggles should be chemical splash type
X	APRON	Cleaning spills Body protection must be chosen of level of activity and exposure.
X	GLOVES	Chemical resistant (rubber, nitrile) protective gloves.
X	BOOTS	Rubber for cleaning spills.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear blue liquid	BOILING POINT	212 deg F
ODOR	None	FREEZING POINT	Not established
pH	6 - 8.2 (100% concentrate)	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	1.0	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not determined

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.					
INCOMPATIBILITY	Avoid contact with strong oxidizers.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxides of Carbon, and products of incomplete combustion.					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	Not applicable					

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

OTHER EFFECTS

ACUTE	Not determined
CHRONIC	Not determined

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	Not established					
ECOTOXICITY	No data available					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Dispose in accordance with national, state and local regulations.								
RCRA CLASSIFICATION	NA								
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE		NO	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS			NOT HAZARDOUS	X
DESCRIPTION	Not applicable					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
	KOSHER	
	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	
X	EPA RECOGNIZED, DfE PROGRAM	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
--	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Chemblend International in connection with the use of this information.