

## MATERIAL SAFETY DATA SHEET

### ULTRACLENS

#### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	ULTRACLENS		
<b>PRODUCT NO.</b>	EULC05L/ 25L		
<b>PRODUCT USE</b>	Cleaning Product		
<b>SUPPLIER</b>	<b>MANUFACTURER</b>	ELECTROLUBE. A division of HK WENTWORTH LTD	
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<b>EMERGENCY TELEPHONE</b>	(415) 895 1316 Monday to Friday between 8.30 a.m. and 5 p.m.		

#### 2 HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Do not breathe vapor. Keep the affected person warm and at rest. Get prompt medical attention. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. No hazard in normal industrial use.

##### POTENTIAL HEALTH EFFECTS

###### INHALATION

Prolonged inhalation of high concentrations may damage respiratory system.

###### INGESTION

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

###### SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

###### EYE CONTACT

May cause severe irritation to eyes.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
C11-C15 Iso alkanes	292-460-6	90622-58-5	30-60%
C9-C12 Iso alkanes	292-459-0	90622-57-4	30-60%
3-BUTOXYPROPAN-2-OL	225-878-4	5131-66-8	10-30%

#### 4 FIRST-AID MEASURES

##### NOTES TO THE PHYSICIAN

Treat symptomatically

###### INHALATION

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air.

###### INGESTION

DO NOT INDUCE VOMITING! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately!

## ULTRACLENS

### SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**AUTO IGNITION TEMPERATURE** >200 (392 F)

(°C)

**FLAMMABILITY LIMIT - LOWER(%)** 0.6

**FLAMMABILITY LIMIT - UPPER(%)** 7

**FLASH POINT (°C)**

## 6 ACCIDENTAL RELEASE MEASURES

### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.

## 7 HANDLING AND STORAGE

### HANDLING

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level.

### STORAGE

Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
C11-C15 Iso alkanes	WEL	175 ppm	1200 mg/m3			

WEL = Workplace Exposure Limit.

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

All handling to take place in well-ventilated area.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

### HAND PROTECTION

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet.

Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin.

When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

## ULTRACLENS

<b>APPEARANCE</b>	Liquid		
<b>COLOR</b>	Colorless		
<b>ODOR</b>	Characteristic		
<b>BOILING POINT (°C)</b>	>173 (343.4 F)	<b>RELATIVE DENSITY</b>	0.790 @ 20 °c (68 F)
<b>VISCOSITY</b>	1.48 mPas @ 25 °c (77 F)	<b>FLASH POINT (°C)</b>	>60 (>140 F)

### 10 STABILITY AND REACTIVITY

**STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid contact with acids and oxidising substances.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

### 11 TOXICOLOGICAL INFORMATION

<b>Name</b>	3-BUTOXYPROPAN-2-OL
<b>Toxic Dose 1 - LD 50</b>	2612-5500 mg/kg (oral rat)

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Dangerous for the environment if discharged into watercourses.

<b>Name</b>	3-BUTOXYPROPAN-2-OL
<b>LC 50, 96 hrs, Fish mg/l</b>	560-1000
<b>EC 50, 48 hrs, Daphnia, mg/l</b>	>1000

### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION

<b>ROAD TRANSPORT NOTES</b>	Not Classified
<b>RAIL TRANSPORT NOTES</b>	Not Classified.
<b>SEA TRANSPORT NOTES</b>	Not Classified.
<b>AIR TRANSPORT NOTES</b>	Not Classified.
<b>MARINE POLLUTANT</b>	No.

### 15 REGULATORY INFORMATION

**INVENTORIES**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
3-BUTOXYPROPAN-2-OL	DSL	Yes	EINECS	Yes				
C9-C12 Iso alkanes	DSL	Yes	EINECS	Yes				
C11-C15 Iso alkanes	No	No	EINECS	Yes				

COMPONENT	TSCA 12(b) Export Notification
3-BUTOXYPROPAN-2-OL	No
C9-C12 Iso alkanes	No
C11-C15 Iso alkanes	No

## ULTRACLENS

### US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
3-BUTOXYPROPAN-2-OL		Not Listed	No
C9-C12 Iso alkanes		Not Listed	No
C11-C15 Iso alkanes	Not Listed	Not Listed	No

### CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
3-BUTOXYPROPAN-2-OL	Not Listed
C9-C12 Iso alkanes	Not Listed
C11-C15 Iso alkanes	Not Listed

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
3-BUTOXYPROPAN-2-OL	5131-66-8	Not Li	Not Li	Not Li	Not Li	Not Li	Not Li	Not Li
C9-C12 Iso alkanes	90622-57-4	Not Li	Not Li	Not Li	Not Li	Not Li	Not Li	Not Li
C11-C15 Iso alkanes	90622-58-5	Not Li	Not Li	Not Li	Not Li	Not Li	Not Li	Not Li

### REGULATORY STATUS (US)

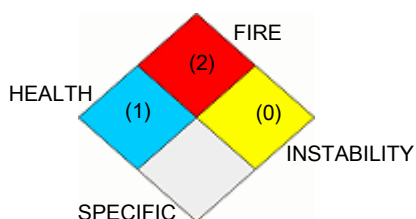
SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. TSCA: The ingredients of this product are on the TSCA Inventory.

### 16 OTHER INFORMATION

#### HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	1
FLAMMABILITY	2
PHYSICAL	0
PERSONAL PROTECTION	B

#### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



#### ISSUED BY

Pawel Zmarzly

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10612

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