



ISSUE DATE: September 2013

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## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

PRODUCT NAME ELUTE

### OTHER MEANS OF IDENTIFICATION

SDS Number E-035

Recommended Uses Cleaning agent

Restrictions on Use Use only as directed

### SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS E-ZOIL Products, Inc.  
**DBA Emulso**  
2750 Kenmore Avenue  
Tonawanda, NY 14150

### EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889

COMPANY FAX NUMBER (716) 854-2809

24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)

NORTH AMERICA 800-535-5053

INTERNATIONAL 352-323-3500

## 2. HAZARDS IDENTIFICATION

Appearance According to product specification Physical State Liquid

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation

### PRECAUTIONARY STATEMENTS

**PREVENTION** Keep away from heat, sparks, and open flames.  
Wear protective gloves, clothing and eye and face protection.  
In case of fire: Use carbon dioxide, dry chemical, or foam for extinction.

**IF EXPOSED/CONCERNED** Get medical advice/ attention.

**STORAGE** Store in a well-ventilated area.

**DISPOSAL** Dispose of contents/ container in accordance with all local, regional, national, and international regulations.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)** N/A

**OTHER INFORMATION** N/A

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
1-Butoxy-2-propanol	5131-66-8	1-5
Ethyl Alcohol	64-17-5	<1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

- GENERAL ADVICE** Provide this SDS to medical personnel for treatment.
- EYE CONTACT** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- SKIN CONTACT** Wash off immediately with plenty of water for at least 15 minutes.
- INHALATION** Remove exposed individual(s) to fresh air for 20 minutes. Consult a POISON CONTROL CENTER or doctor/physician if individual's condition declines or symptoms persist.
- INGESTION** Clean mouth with water and drink afterwards plenty of water.

### POTENTIAL ACUTE HEALTH EFFECTS

*Most important symptoms and effects, both acute and delayed*

- EYE CONTACT** Direct contact with the eyes may cause temporary irritation.
- SKIN CONTACT** May cause irritation to the nasal passages.
- INHALATION** Prolonged or repeated skin contact may cause irritation.
- INGESTION** Prolonged or repeated skin contact may cause irritation.

**NOTES TO PHYSICIAN** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- UNSUITABLE EXTINGUISHING MEDIA** None known
- SPECIFIC HAZARDS ARISING FROM CHEMICAL** Not determined.

### PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES



## PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**PERSONAL PRECAUTIONS** Use personal protective equipment recommended in section 8.  
**ENVIRONMENTAL PRECAUTIONS** See section 12 for ecological information.

## METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

**Methods for Containment** Prevent further leakage or spillage if safe to do so.  
**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** Handle in accordance with good industrial hygiene and safety practice.  
**GENERAL HYGIENE ADVICE** Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

### CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

**STORAGE CONDITIONS** Keep container closed when not in use. Store in a dry, cool, and well-ventilated area. Keep out of reach of children.  
**INCOMPATIBLE MATERIALS** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm	Ethyl Alcohol 64-17-5

**ENGINEERING CONTROLS** Apply technical measures to comply with the occupational exposure limits.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Refer to 29 CFR 1910.133 for eye and face protection regulations.  
**SKIN/BODY PROTECTION** Refer to 29 CFR 1910.138 for appropriate skin and body protection.  
**RESPIRATORY PROTECTION** Refer to 29 CFR 1910.134 for respiratory protection requirements.  
**GENERAL HYGIENE** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE** Liquid  
**APPERANCE** Liquid  
**COLOR** Not Determined  
**ODOR** Not Determined  
**ODOR THRESHOLD** Not Determined



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	<b>pH</b>	Not Determined
<b>MELTING POINT/FREEZING POINT</b>		Not Determined
<b>BOILING POINT/BOILING RANGE</b>		Not Determined
<b>FLASH POINT</b>		Not Determined
<b>EVAPORATION RATE</b>		Not Determined
<b>FLAMMABILITY (SOLID, GAS)</b>		Not Determined
<b>UPPER FLAMMABILITY LIMITS</b>		Not Determined
<b>LOWER FLAMMABILITY LIMITS</b>		Not Determined
<b>VAPOR PRESSURE</b>		Not Determined
<b>SPECIFIC GRAVITY</b>		Not Determined
<b>RELATIVE DENSITY</b>		Not Determined
<b>WATER SOLUBILITY</b>		Not Determined
<b>PARTITION COEFFICIENT</b>		Not Determined
<b>N-OCTANOL/ WATER</b>		Not Determined
<b>AUTO-IGNITION TEMPERATURE</b>		Not Determined
<b>DECOMPOSITION TEMPERATURE</b>		Not Determined
<b>VISCOSITY</b>		Not Determined

### 10. STABILITY AND REACTIVITY

	<b>REACTIVITY</b>	Not reactive under normal conditions
	<b>CHEMICAL STABILITY</b>	Stable under recommended storage conditions
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>		None under normal processing
<b>CONDITIONS TO AVOID</b>		Keep out of reach of children
<b>INCOMPATIBLE MATERIALS</b>		None known based on information supplied.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>		None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

<b>EYE CONTACT</b>	Avoid contact with eyes.
<b>SKIN CONTACT</b>	Causes mild skin irritation.
<b>INHALATION</b>	Do not inhale.
<b>INGESTION</b>	Do not ingest.

### COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Nonylphenol Ethoxylate <b>127087-87-0</b>	= 1310 mg/kg ( Rat )	-	-
1-Butoxy-2-propanol <b>5131-66-8</b>	= 5660 µL/kg ( Rat ) = 1900 mg/kg ( Rat )	= 3100 mg/kg ( Rabbit )	-
Sodium Chloride <b>7647-14-5</b>	= 3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 g/m <sup>3</sup> ( Rat ) 1 h
Ethyl Alcohol <b>64-17-5</b>	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Polyethylene glycol <b>25322-68-3</b>	= 28 g/kg ( Rat )	> 20 mL/kg ( Rabbit ) > 20 g/kg ( Rabbit )	-

**SYMPTOMS** Please see section 4 of this SDS for symptoms.

**CARCINOGENICITY** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Ethyl Alcohol <b>64-17-5</b>	A3	Group 1	Known	X

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**PERSISTENCE AND DEGRADABILITY** Not determined

**BIOACCUMULATION** Not determined

**MOBILITY**

<b>Chemical Name</b>	<b>Partition Coefficient</b>
Ethyl Alcohol <b>64-17-5</b>	-0.32

**OTHER ADVERSE EFFECTS** Not determined

## COMPONENT INFORMATION

Chemical Name	Algae/aquatic plants	Fish	Toxicity to	Chemical Name
Sodium Chloride 7647-14-5		5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 12946: 96 h Lepomis macrochirus mg/L LC50 static 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 7050: 96 h Pimephales promelas mg/L LC50 semi-static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static 4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through		1000: 48 h Daphnia magna mg/L EC50 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static
Ethyl Alcohol 64-17- 5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50
Polyethylene glycol 25322-68-3		5000: 24 h Carassius auratus mg/L LC50		

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

### CALIFORNIA HAZARDOUS WASTE STATUS

<b>CHEMICAL NAME</b>	<b>CALIFORNIA HAZARDOUS WASTE STATUS</b>
Ethyl Alcohol 64-17-5	Toxic Ignitable

## 14. TRANSPORT INFORMATION

### DOT

**GROUND** Not regulated

### IATA

**AIR** Not regulated

### IMDG

**VESSEL** Not regulated

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
1-Butoxy-2-propanol	Present	X		Present		Present	X	Present	X	X
Ethyl Alcohol	Present	X		Present		Present	X	Present	X	X

### LEGEND

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(B) Inventory
<b>DSL/NDSL</b>	Canadian Domestic Substances List/Non-Domestic Substances List
<b>EINECS/ELINCS</b>	European Inventory of Existing/Notified Chemical Substances
<b>ENCS</b>	Japan Existing and New Chemical Substances
<b>IECSC</b>	China Inventory of Existing Chemical Substances
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances

## U.S. FEDERAL REGULATIONS

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).



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### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### CWA (CLEAR WATER ACT)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CALIFORNIA PROPOSITION 65

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

**Chemical Name**

Ethyl Alcohol  
64-17-5

**California Proposition 65**

Carcinogen

### U.S. STATE RIGHT-TO-KNOW REGULATIONS

**Chemical Name**

Ethyl Alcohol  
64-17-5

**New Jersey**

X

**Massachusetts**

X

**Pennsylvania**

X

## 16. OTHER INFORMATION

**NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

## DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**END OF SAFETY DATA SHEET**