

ISSUE DATE: September 2013

REVISION DATE: January 2022

VERSION: 1

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

**PRODUCT NAME** PAVING EQUIPMENT CLEANER

### OTHER MEANS OF IDENTIFICATION

**SDS Number** E-005

**UN/ID No** NA1993

**Recommended Uses** Cleaning agent

### 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** 1-800-633-8253

**INTERNATIONAL** PERS 1-801-629-0667

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Acute toxicity - Dermal	Category 4
Serious eye damage/eye irritation	Category 2A
Aspiration toxicity	Category 1
Flammable liquids	Category 4

**SIGNAL WORD** Danger

### HAZARD STATEMENTS



### HAZARD STATEMENTS

1. Harmful in contact with skin
2. Causes severe eye irritation
3. May be fatal if swallowed and enters airways
4. Combustible liquid

**APPEARANCE** Liquid

**PHYSICAL STATE** Liquid

## PRECAUTIONARY STATEMENTS

### PREVENTION

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling

### RESPONSE

Immediately call poison center or doctor/ physician.

### IF SWALLOWED

Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

### IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention.

### IF ON SKIN/HAIR

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse.

### IF INHALED

Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a poison center or doctor/physician if you feel unwell.

### IF EXPOSED/CONCERNED

Get medical advice/ attention.

### STORAGE

Store locked-up. Keep away from children.

### DISPOSAL

Dispose of contents/container to an approved waste disposal plant.

### HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

May be harmful if swallowed. Causes mild skin irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### CHEMICAL NAME

Petroleum distillates, hydrotreated middle  
Butoxyethanol

### CAS NUMBER

64742-46-7  
111-76-2

### WEIGHT - %

85-90  
5-10

## 4. FIRST-AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

#### GENERAL ADVICE

Provide this SDS to medical personnel for treatment.

#### EYE CONTACT

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

#### SKIN CONTACT

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

<b>INHALATION</b>	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
<b>INGESTION</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

## POTENTIAL ACUTE HEALTH EFFECTS

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

<b>SYMPTOMS</b>	Exposed individuals may experience eye tearing, redness, and discomfort. Aspiration hazard: if swallowed can enter lungs and cause damage. Excessive inhalation may produce dizziness, nausea, headache, and incoordination.
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**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** Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants.

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** Flammable

## 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

<b>PERSONAL PRECAUTIONS</b>	Use personal protective equipment as required.
<b>ENVIRONMENTAL PRECAUTIONS</b>	See Section 12 for additional Ecological Information.

### METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

<b>CONTAMINATION</b>	Prevent further leakage or spillage is safe to do so
<b>CLEAN-UP</b>	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. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapor/spray. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

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

#### STORAGE CONDITIONS

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

#### INCOMPATIBLE MATERIALS

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m3

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

### INDIVIDUAL PROTECTION MEASURES

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPERANCE</b>	According to product specification
<b>COLOR</b>	Not determined
<b>ODOR</b>	Not determined
<b>ODOR THRESHOLD</b>	Not determined
<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>	71 °C / 159.8 °F
<b>EVAPORATION RATE</b>	Not determined

<b>FLAMMABILITY (SOLID, GAS)</b>	n/a-liquid
<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>	Insoluble in water
<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. Heat, flames and sparks.
<b>INCOMPATIBLE MATERIALS</b>	Strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

<b>EYE CONTACT</b>	Causes severe eye damage.
<b>SKIN CONTACT</b>	Avoid contact with skin.
<b>INHALATION</b>	Avoid breathing vapors or mists.
<b>INGESTION</b>	May be harmful if swallowed.

### COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Petroleum distillates, hydrotreated middle	= 7400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 4.6 mg/L ( Rat ) 4 h
<b>64742-46-7</b> Butoxyethanol <b>111-76-2</b>	= 470 mg/kg ( Rat )	= 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit )	= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h

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

**CARCINOGENICITY** Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Butoxyethanol <b>111-76-2</b>	A3	Group 3		

**NUMERICAL MEASURES OF TOXICITY-PRODUCT** Not determined.

The following values are calculated based on chapter 3.1 of the GHS document.

<b>ATEmix (oral)</b>	3160 mg/kg
<b>ATEmix (dermal)</b>	1861 mg/kg

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** Harmful to aquatic life with long lasting effects.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	TOXIC TO MICROORGANISMS	CRUSTACEA
Petroleum distillates, hydrotreated middle <b>64742-46-7</b>	-	35: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Pimephales promelas mg/L LC50 static	-	-
Butoxyethanol <b>111-76-2</b>	-	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	-	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50

**PERSISTENCE AND DEGRADABILITY** Not determined  
**BIOACCUMULATION** Not determined  
**MOBILITY** Not determined

Chemical Name	Partition Coefficient
Isopropanol <b>67-63-0</b>	0.05
<b>OTHER ADVERSE EFFECTS</b>	Not determined

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**WASTE DISPOSAL** 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.

## 14. TRANSPORT INFORMATION

### DOT

<b>UN/ID No</b>	NA1993
<b>Proper Shipping Name</b>	Combustible liquid, n.o.s. (Mineral seal oil, Ethylene glycol monobutyl ether)
<b>Hazard Class</b>	Comb liq
<b>Packing Group</b>	III

### IATA

<b>UN/ID No</b>	NA1993
<b>Proper Shipping Name</b>	Combustible liquid, n.o.s. (Mineral seal oil, Ethylene glycol monobutyl ether)
<b>Hazard Class</b>	Comb liq
<b>Packing Group</b>	III

### IMDG

<b>UN/ID No</b>	NA1993
<b>Proper Shipping Name</b>	Combustible liquid, n.o.s. (Mineral seal oil, Ethylene glycol monobutyl ether)
<b>Hazard Class</b>	Comb liq
<b>Packing Group</b>	III

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

#### 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

### SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Butoxyethanol	111-76-2	5-10	1.0





## Safety Data Sheet

### U.S. STATE REGULATIONS

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

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Butoxyethanol 111-76-2	X	X	X

### 16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	Not determined	Not determined	Not determined	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	Not determined	Not determined	Not determined	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**