

ISSUE DATE: September 2013

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## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

PRODUCT NAME FREEZER CLEANER 30

### OTHER MEANS OF IDENTIFICATION

Product Code CT-A24-4CS

Recommended Uses Sub-freezing surface cleaner.

### 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

Eye Irritation Category 2A  
Skin Irritation Category 2  
Target Organ Toxicity (Repeated exposure - oral) Category 2 (Kidney)  
Acute Toxicity (Oral) Category 4

SIGNAL WORD Warning

### HAZARD STATEMENTS



HAZARD STATEMENTS

1. Causes serious eye irritation.
2. Causes skin irritation.
3. Harmful if swallowed.
4. May cause damage to organs (kidney) through prolonged or repeated exposure if swallowed.

APPEARANCE Liquid

PHYSICAL STATE Liquid

## PRECAUTIONARY STATEMENTS

<b>PREVENTION</b>	<p>Do not get in eyes, on skin, or on clothing.  Wash thoroughly after handling.  Do not eat, drink or smoke when using this product.  Do not breathe mist/vapors/spray.  Wear protective gloves/protective clothing/eye protection/face protection.  Keep container tightly closed.  Keep out of reach of children.</p>
<b>RESPONSE</b>	Immediately call poison center or doctor/ physician.
<b>IF SWALLOWED</b>	Call a POISON CENTER or doctor/physician If you feel unwell. Rinse mouth. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
<b>IF IN EYES</b>	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.
<b>IF ON SKIN/HAIR</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>IF INHALED</b>	Call a POISON CENTER or doctor/physician if you feel unwell.
<b>IF EXPOSED/CONCERNED</b>	Get medical advice/ attention.
<b>STORAGE</b>	Store locked-up. Keep away from children.
<b>DISPOSAL</b>	Dispose of contents/container to an approved waste disposal plant.
<b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)</b>	N/A

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Ethylene Glycol	107-21-1	35-40
Ethylene glycol butyl ether	111-76-2	5-10
Potassium Hydroxide	1310-58-3	0-1
Nonylphenol Ethoxylate	9016-45-9	0-1
Water	7732-18-5	80-85

## 4. FIRST-AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

<b>GENERAL ADVICE</b>	Provide this SDS to medical personnel for treatment.
<b>EYE CONTACT</b>	immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.
<b>SKIN CONTACT</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>INHALATION</b>	Remove victim to fresh air and monitor. Seek medical advice if irritation persists.
<b>INGESTION</b>	DO NOT DELAY. Do not Induce vomiting. If victim is alert. rinse mouth and drink 1/2 to 1 glass of water to help dilute the material. Do not give liquids to a drowsy, convulsing, or unconscious person. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

\*\*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.\*\*

### POTENTIAL ACUTE HEALTH EFFECTS

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

<b>SYMPTOMS</b>	<ol style="list-style-type: none"><li>1. EYES: Severe burning sensation, tearing, redness, swelling.</li><li>2. SKIN: Prolonged contact will cause irritation marked by redness, burning sensation.</li><li>3. INGESTION: irritation of mouth, throat, along with stomach upset, vomiting.</li><li>4. INHALATION: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.</li></ol>
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<b>NOTES TO PHYSICIAN</b>	<p>Kidney toxicity may be recognized by blood in the urine or increased or decreased urine flow. Other signs and symptoms can include nausea, vomiting, abdominal cramps, diarrhea, lumbar pain shortly after ingestion, and possibly narcosis and death. Eye Irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters.</p> <p>Respiratory Irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing.</p>
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<b>ADDITIONAL INFORMATION</b>	IMMEDIATE TREATMENT IS EXTREMELY IMPORTANT! May cause significant renal, respiratory, and CNS toxicity. May cause significant acidosis. Call a doctor or poison control center for guidance.
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## 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 as required.  
**ENVIRONMENTAL PRECAUTIONS** See Section 12 for additional Ecological Information.

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

**CONTAMINATION** Prevent further leakage or spillage is safe to do so  
**SMALL SPILL** Avoid runoff into storm sewers and ditches which lead to waterways.  
**LARGE SPILL** Avoid walking in material. Prevent product from entering in to stream, soil, storm sewer or other bodies of water.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL** Avoid discharges into open waterways.

**LAND SPILL** Avoid discharge to soil.

**CLEAN-UP** Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** Do not contaminate water, food, or feed by storage or disposal. Wear eye protection, rubber gloves when handling concentrate.

### 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** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol	TWA: 100 mg/m <sup>3</sup>		STEL: 50 ppm STEL: 124 mg/ml
Potassium Hydroxide	STEL: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	

**ENGINEERING CONTROLS** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Chemical splash goggles.  
**SKIN/BODY PROTECTION** Rubber or other chemical resistant gloves. Rubber boots if used on floors.  
**RESPIRATORY PROTECTION** A respirator is not needed under normal and intended conditions of product use.  
**GENERAL HYGIENE** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPEARANCE</b>	According to product specification
<b>COLOR</b>	Colorless
<b>ODOR</b>	Characteristic
<b>ODOR THRESHOLD</b>	Not determined
<b>pH</b>	11.8 to 13.0
<b>MELTING POINT/FREEZING POINT</b>	< -2056°C (-5.0°F)
<b>BOILING POINT/BOILING RANGE</b>	212°F; 100 °C
<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>	20 mm Hg at (68°F)
<b>SPECIFIC GRAVITY</b>	1.031 grams/ml.
<b>RELATIVE DENSITY</b>	8.60 at (68°F)
<b>WATER SOLUBILITY</b>	Not Complete
<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>	Water thin

## 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>	Strong acids, oxidizers.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

<b>EYE CONTACT</b>	Causes severe eye irritation.
<b>SKIN CONTACT</b>	Moderate skin irritant.
<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
Ethylene Glycol	300 to 2000 mg/kg (rat)	> 2000mg/kg (rat)	-
Ethylene glycol butyl ether	1300mg/kg (rat)	> 2000mg/kg (rabbit)	>3.1 mg/l
Potassium Hydroxide	273 mg/kg (rat)	-	-
Nonylphenol Ethoxylate	16000 mg/kg (rat)	4490mg/kg (rabbit)	-

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

### CARCINOGENICITY

The table below indicates whether each agency has listed any ingredient as a carcinogen. The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of 2-butoxyethanol in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene glycol butyl ether		Group 3		X

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

**12. ECOLOGICAL INFORMATION****ECOTOXICITY** Not Established**PERSISTENCE AND DEGRADABILITY** Not determined**BIOACCUMULATION** Not determined**OTHER ADVERSE EFFECTS** 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**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS****CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ethylene Glycol		5000 lb	
Potassium Hydroxide		1000 lb	

**SARA 313/312 HAZARD CATEGORIES**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ethylene Glycol	67-63-0	35-40	
Ethylene Glycol Butyl Ether	111-76-2	5-10	



## Safety Data Sheet

### U.S. STATE REGULATIONS

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

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Ethylene Glycol	X	X	X
Potassium Hydroxide	X	X	X

### 16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	3	0	0	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	3	0	0	D

### 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**