



ISSUE DATE: September 2013

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VERSION: 1

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

**PRODUCT NAME** ALL TEMPERATURE DISH MACHINE RINSE

### OTHER MEANS OF IDENTIFICATION

**Product Code** D16B

**Recommended Uses** Machine dishwasher rinse aid  
**Uses Advised Against** For Industrial and Institutional Use Only

### 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

Serious Eye Damage/Eye Irritation Category 2B

**SIGNAL WORD** Warning

### HAZARD STATEMENTS

**HAZARD STATEMENTS** 1. Causes eye irritation.

**APPEARANCE** Blue Liquid      **PHYSICAL STATE** Liquid

### PRECAUTIONARY STATEMENTS

**PREVENTION** Wash hands and any exposed skin thoroughly after handling.

**RESPONSE** Immediately call poison center or doctor/ physician.

**IF SWALLOWED** Call a 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 attention



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<b>IF ON SKIN/HAIR</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse
<b>IF INHALED</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a poison center or doctor/physician
<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 - %
water	7732-18-5	60-100
Alcohols, C6-10, ethoxylated propoxylated	68987-81-5	10-30

\*\*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

<b>GENERAL ADVICE</b>	Provide this SDS to medical personnel for treatment.
<b>EYE CONTACT</b>	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.
<b>SKIN CONTACT</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>INHALATION</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
<b>INGESTION</b>	Rinse mouth. Do NOT induce vomiting. If conscious give 2 glasses of water to dilute. Never give anything by mouth to an unconscious person. Call a poison center or doctor/physician

#### POTENTIAL ACUTE HEALTH EFFECTS

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

<b>SYMPTOMS</b>	Harmful if swallowed. Causes severe skin burns and eye damage. May cause irritation to the mucous membranes and upper respiratory tract.
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NOTES TO PHYSICIAN Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

<b>SUITABLE EXTINGUISHING MEDIA</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>UNSUITABLE EXTINGUISHING MEDIA</b>	None known
<b>HAZARDOUS CUMBUSTION PRODUCTS</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>SPECIFIC HAZARDS ARISING FROM CHEMICAL</b>	Dried product is capable of burning. Combustion products are toxic.

### 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>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>ENVIRONMENTAL PRECAUTIONS</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.

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

<b>CONTAMINATION</b>	Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an inert (i.e. vermiculite, dry sand or earth) absorbent material. Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth
<b>CLEAN-UP</b>	or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

<b>PROTECTIVE MEASURES</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
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### CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

<b>STORAGE CONDITIONS</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>INCOMPATIBLE MATERIALS</b>	None known

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****EXPOSURE GUIDELINES**

None established.

**ENGINEERING CONTROLS** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**INDIVIDUAL PROTECTION MEASURES**

**EYE/FACE PROTECTION** Not required with expected use.  
**SKIN/BODY PROTECTION** Not required with expected use.  
**RESPIRATORY PROTECTION** Not required with expected use.  
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.  
**GENERAL HYGIENE** Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE</b>	Liquid
<b>APPEARANCE</b>	Blue Liquid
<b>COLOR</b>	Blue
<b>ODOR</b>	Mild
<b>ODOR THRESHOLD</b>	Not determined
<b>pH</b>	6.0-7.0
<b>MELTING POINT/FREEZING POINT</b>	Not determined
<b>BOILING POINT/BOILING RANGE</b>	100 °C / 212 °F
<b>FLASH POINT</b>	> 100 °C / > 212 °F
<b>EVAPORATION RATE</b>	< 1
<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>	Unknown
<b>SPECIFIC GRAVITY</b>	1.01
<b>RELATIVE DENSITY</b>	Not determined
<b>WATER SOLUBILITY</b>	Soluble 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****REACTIVITY** Not reactive under normal conditions

<b>CHEMICAL STABILITY</b>	Stable under recommended storage conditions
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	Not expected to occur with normal handling and storage.
<b>CONDITIONS TO AVOID</b>	Extremes of temperature and direct sunlight.
<b>INCOMPATIBLE MATERIALS</b>	Strong oxidizing agents. Strong acids.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

<b>EYE CONTACT</b>	Pain, redness and swelling of the conjunctiva.
<b>SKIN CONTACT</b>	Drying of the skin.
<b>INHALATION</b>	Nasal discomfort and coughing.
<b>INGESTION</b>	Pain, nausea, vomiting and diarrhea.

### COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Potassium hydroxide <b>1310-58-3</b>	= 284 mg/kg ( Rat )	-	-
Tetrasodium EDTA <b>64-02-8</b>	= 10 g/kg ( Rat ) = 1658 mg/kg ( Rat )	-	-
Sodium hydroxide <b>1310-73-2</b>	-	= 1350 mg/kg ( Rabbit )	-
Trisodium Nitritotriacetate <b>5064-31-3</b>	= 1100 mg/kg ( Rat )	-	> 5 mg/L ( Rat ) 4 h

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

**CARCINOGENICITY** Suspected of causing cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
Trisodium Nitritotriacetate <b>5064-31-3</b>		Group 2B		X

### NUMERICAL MEASURES OF TOXICITY-PRODUCT

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

**Not Available**

## 12. ECOLOGICAL INFORMATION

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

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	CRUSTACEA
water <b>7732-18-5</b>	> 90 mL/kg ( Rat )	-	-
Alcohols, C6-10 ethoxylated propoxylated <b>68987-81-5</b>	2000-5000 mg/kg ( Rat )	-	-
<b>PERSISTENCE AND DEGRADABILITY</b>		Not determined	
<b>BIOACCUMULATION</b>		Not determined	
<b>OTHER ADVERSE EFFECTS</b>		Not determined	

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

<b>WASTE DISPOSAL</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>CONTAMINATED PACKAGING</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

Not Regulated

### IATA

Not Regulated

### IMDG

Not Regulated

## 15. REGULATORY INFORMATION

### LEGEND

**TSCA Status** (Toxic Substance Control Act Section 8(b) Inventory)  
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

## U.S. FEDERAL REGULATIONS

### SARA 313

This product does not contain listed substances above the "de minimus" level

### SARA 313/312 HAZARD CATEGORIES

**Acute Health Hazard** Yes

**Chronic Health Hazard** No

**Fire Hazard** No

**Sudden release of pressure hazard** No

**Reactive Hazard** No

### CALIFORNIA PROPOSITION 65

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

## 16. OTHER INFORMATION

	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
<b>NFPA</b>	1	1	0	Not determined
	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
<b>HMIS</b>	1	1	0	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**