

ISSUE DATE: September 2013

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## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

PRODUCT NAME EZ SOLV

### OTHER MEANS OF IDENTIFICATION

SDS # E-044

Product Code LLMMSPOT

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

Serious eye damage/eye irritation Category 1

SIGNAL WORD Danger

### HAZARD STATEMENTS



HAZARD STATEMENTS 1. Causes serious eye damage

APPEARANCE Liquid

PHYSICAL STATE Liquid

### PRECAUTIONARY STATEMENTS

PREVENTION Wear eye/face protection

RESPONSE If exposed or concerned: Get medical advice/attention



## Safety Data Sheet

|  |  |
|--|--|
| <b>IF SWALLOWED</b>                            | Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.   |
| <b>IF IN EYES</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>IF ON SKIN/HAIR</b>                         | Wash with plenty of soap and water<br>If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse                    |
| <b>IF INHALED</b>                              | 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.                         |
| <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> | Toxic to aquatic life with long lasting effects  |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME              | CAS NUMBER  | WEIGHT - % |
|----------------------------|-------------|------------|
| Nonylphenol Ethoxylate     | 127087-87-0 | 15-20      |
| Glycol Ether EB            | 111-76-2    | 5-10       |
| Ethyl Alcohol              | 64-17-5     | 1-5        |
| 2,2',2''-Nitrilotriethanol | 102-71-6    | 1-5        |

\*\*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>   | Wash off immediately with plenty of water for at least 15 minutes.   |
| <b>INHALATION</b>     | Remove to fresh air.   |
| <b>INGESTION</b>      | Clean mouth with water and drink afterwards plenty of water.   |

## POTENTIAL ACUTE HEALTH EFFECTS

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

**SYMPTOMS** Causes serious eye damage. May be harmful if swallowed. Causes mild skin 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 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  
**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. Wear eye/face protection.

### 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   |
|---|--------------------------|--|--|
| 2,2',2''-Nitrilotriethanol<br><b>102-71-6</b> | TWA: 5 mg/m <sup>3</sup> | -  | -  |
| Ethyl Alcohol<br><b>64-17-5</b>               | STEL: 1000 ppm           | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |

**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 1910.133 for eye and face protection regulations.      |
| <b>RESPIRATORY PROTECTION</b> | Refer to 29 CFR 1910.133 for eye and face protection regulations.      |
| <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>                  | 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> | Avoid contact with skin. |
| <b>INHALATION</b>   | Do not inhale.           |
| <b>INGESTION</b>    | Do not ingest.           |

### COMPONENT INFORMATION

| CHEMICAL NAME                                 | ORAL LD50            | DERMAL LD50                                 | INHALATION LC50          |
|---|----------------------|---|--------------------------|
| Nonylphenol Ethoxylate<br><b>127087-87-0</b>  | = 1310 mg/kg ( Rat ) | -   | -                        |
| Ethyl Alcohol<br><b>64-17-5</b>               | = 7060 mg/kg ( Rat ) | -   | = 124.7 mg/L ( Rat ) 4 h |
| 2,2',2''-Nitrilotriethanol<br><b>102-71-6</b> | = 4190 mg/kg ( Rat ) | > 16 mL/kg ( Rat )<br>> 20 mL/kg ( Rabbit ) | -                        |
| Jemcolate A<br><b>73296-89-6</b>              | = 1783 mg/kg ( Rat ) | -   | -                        |

**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.

| Chemical Name                                 | ACGIH | IARC    | NTP   | OSHA |
|---|-------|---------|-------|------|
| Ethyl Alcohol<br><b>64-17-5</b>               | A3    | Group 1 | Known | X    |
| 2,2',2''-Nitrilotriethanol<br><b>102-71-6</b> |       | Group 3 |       |      |

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

## 12. ECOLOGICAL INFORMATION

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

| CHEMICAL NAME                                 | ALGAE/<br>AQUATIC<br>PLANTS   | FISH  | TOXIC TO<br>MICROORGANISMS                                | CRUSTACEA  |
|---|---|---|---|--|
| 2,2',2''-Nitrilotriethanol<br><b>102-71-6</b> | 216: 72 h<br>Desmodesmus<br>subspicatus mg/L<br>EC50 169: 96 h<br>Desmodesmus<br>subspicatus mg/L<br>EC50 | 10600 - 13000: 96 h<br>Pimephales promelas mg/L<br>LC50 flow-through 1000: 96<br>h Pimephales promelas<br>mg/L LC50 static 450 - 1000:<br>96 h Lepomis macrochirus<br>mg/L<br>LC50 static |   | 1386: 24 h<br>Daphnia<br>magna mg/L<br>EC50  |
| Ethyl Alcohol<br><b>64-17-5</b>               |   | 12.0 - 16.0: 96 h<br>Oncorhynchus mykiss mL/L<br>LC50 static 13400 - 15100:<br>96 h Pimephales promelas<br>mg/L LC50 flow-through 100:<br>96 h Pimephales promelas<br>mg/L LC50 static    | EC50 = 34634 mg/L<br>30 min<br>EC50 = 35470 mg/L<br>5 min | 9268 - 14221:<br>48 h Daphnia<br>magna mg/L<br>LC50 2: 48 h<br>Daphnia<br>magna mg/L<br>EC50<br>Static 10800:<br>24 h Daphnia<br>magna mg/L<br>EC50<br>21.2: 24 h<br>Daphnia<br>magna<br>mg/L EC50 |
| Jemcolate A<br><b>73296-89-6</b>              | 42: 96 h<br>Desmodesmus<br>subspicatus mg/L<br>EC50   | 4.1: 48 h Leuciscus idus<br>mg/L LC50 static  |   |  |

**PERSISTENCE AND DEGRADABILITY** Not determined

**BIOACCUMULATION** Not determined

**MOBILITY**

| Chemical Name                                 | Partition Coefficient |
|---|-----------------------|
| Glycol Ether EB<br><b>111-76-2</b>            | 0.81                  |
| 2,2',2''-Nitrilotriethanol<br><b>102-71-6</b> | -2.53                 |
| Ethyl Alcohol<br><b>64-17-5</b>               | -0.32                 |

**OTHER ADVERSE EFFECTS** 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. |

### CHEMICAL NAME CALIFORNIA HAZARDOUS WASTE STATUS

|               |           |
|---------------|-----------|
| Ethyl Alcohol | Toxic     |
| 64-17-5       | Ignitable |

## 14. TRANSPORT INFORMATION

### DOT

Not regulated

### IATA

Not regulated

### IMDG

Not regulated

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

| Chemical Name              | TSCA    | DSL | NDSL | EINECS  | ELINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|----------------------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Nonylphenol Ethoxylate     | Present | X   |      |         |        | Present | X     | Present | X     | X    |
| Ethyl Alcohol              | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| 2,2',2''-Nitrilotriethanol | 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



## Safety Data Sheet

### 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).

### SARA 313/312 HAZARD CATEGORIES

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

## U.S. STATE REGULATIONS

### California Proposition 65

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

| Chemical Name            | California Proposition 65   |
|--------------------------|-----------------------------|
| Ethyl Alcohol<br>64-17-5 | Carcinogen<br>Developmental |

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

| CHEMICAL NAME                          | NEW JERSEY | MASSACHUSETTS | PENNSYLVANIA |
|--|------------|---------------|--------------|
| 2,2',2''-Nitrilotriethanol<br>102-71-6 | X          | X             | X            |
| Ethyl Alcohol<br>64-17-5               | 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**