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**1. IDENTIFICATION****PRODUCT IDENTIFIER****PRODUCT NAME** LIQUID FLATWARE PRESOAK**OTHER MEANS OF IDENTIFICATION****Product Code** D15**Recommended Uses** Cleaning Agent**Restrictions on Use** For Industrial and Institutional Use Only**SDS-SUPPLIER INFORMATION**

EMULSO

**SUPPLIER ADDRESS** 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**

Skin sensitization Category 1A

Serious eye damage/eye irritation Category 2

**SIGNAL WORD** Warning**HAZARD STATEMENTS****HAZARD STATEMENTS**

1. Causes serious eye irritation.
2. May cause an allergic skin reaction

**APPEARANCE** Opaque Powder**PHYSICAL STATE** Solid White Granules**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.

|  |   |
|--|---|
| <b>RESPONSE</b>                                | Immediately call poison center or doctor/ physician.  |
| <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 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 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> | N/A   |
| <b>OTHER INFORMATION</b>                       | N/A   |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME            | CAS NUMBER  | WEIGHT - % |
|--------------------------|-------------|------------|
| Water                    | 7732-18-5   | Up to 100  |
| Proprietary ingredient 1 | Proprietary | 0-10       |

\*\*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 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.

**INGESTION** 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.

## MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & DELAYED

**MAIN SYMPTOMS** Causes serious skin irritation.

## INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

**NOTES TO PHYSICIAN** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA** Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.

**UNSUITABLE EXTINGUISHING MEDIA** None known.

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** 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

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|----------|------------|
|               |           | N/A      |            |

**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  
**APPEARANCE** Liquid  
**COLOR** Light Green  
**ODOR** Mild  
**ODOR THRESHOLD** Not determined

| PROPERTY | VALUES |
|----------|--------|
|----------|--------|

|   |                         |
|---|-------------------------|
| <b>pH</b>                                     | 7.5-8.0                 |
| <b>MELTING POINT/FREEZING POINT</b>           | Not determined          |
| <b>BOILING POINT/BOILING RANGE</b>            | Not determined          |
| <b>FLASH POINT</b>                            | 100 °C / 212 °F         |
| <b>EVAPORATION RATE</b>                       | < 1 (Butyl acetate = 1) |
| <b>FLAMMABILITY (SOLID, GAS)</b>              | Not determined          |
| <b>UPPER FLAMMABILITY LIMITS IN AIR</b>       | Not determined          |
| <b>LOWER FLAMMABILITY LIMITS IN AIR</b>       | Not determined          |
| <b>VAPOR PRESSURE</b>                         | Not determined          |
| <b>SPECIFIC GRAVITY</b>                       | 1.007                   |
| <b>RELATIVE DENSITY</b>                       | Not determined          |
| <b>WATER SOLUBILITY</b>                       | Not determined          |
| <b>PARTITION COEFFICIENT N-OCTANOL/ WATER</b> | Not determined          |
| <b>AUTOIGNITION TEMPERATURE</b>               | Not determined          |
| <b>DECOMPOSITION TEMPERATURE</b>              | Not determined          |

**VISCOSITY** 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. 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>  | 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 |
|--------------------------|----------------------|-------------|-----------------|
| Proprietary Ingredient 1 | = 580 mg/kg ( Rat )  | -           | -               |
| Alcohol ethoxylate blend | = 2292 mg/kg ( Rat ) | -           | -               |

*Information on Toxicological Effects*

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

*Delayed and immediate effects as well as chronic effects from short and long-term exposure*

**CARCINOGENICITY** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

*Numerical measures of toxicity – Product Information*

|                                      |             |
|--------------------------------------|-------------|
| <b>ATEmix (oral)</b>                 | 17523 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 67137 mg/kg |

## 12. ECOLOGICAL INFORMATION

|                                      |                |
|--------------------------------------|----------------|
| <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

#### DOT

Not regulated

#### IATA

Not regulated

#### IMDG

Not regulated

### 15. REGULATORY INFORMATION

#### INTERNATIONAL INVENTORIES

**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

|  |     |
|--|-----|
| <b>ACUTE HEALTH HAZARD</b>               | Yes |
| <b>CHRONIC HEALTH HAZARD</b>             | No  |
| <b>FIRE HAZARD</b>                       | No  |
| <b>SUDDEN RELEASE OF PRESSURE HAZARD</b> | No  |
| <b>REACTIVE HAZARD</b>                   | No  |

### U.S. STATE REGULATIONS

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

#### CALIFORNIA PROPOSITION 65

This product does not contain any Proposition 65 chemicals.

**WARNING** This product does not contain a chemical known to the State of California to cause cancer.

## 16. OTHER INFORMATION

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