

Issue Date 08-Aug-2011

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Version 1.0

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Silicone Emulsion Defoamer

### Other Means of Identification

**Product Code** 095000

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Defoamer concentrate. For industrial use.

### Details of the Supplier of the Safety Data Sheet

Midlab, Inc.  
140 Private Brand Way  
Athens, TN 37303

### Emergency Telephone Number

**Company Phone Number** Phone: 1-423-337-3180  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** White

**Physical State** Liquid

**Odor** None

### Classification

|                                    |             |
|------------------------------------|-------------|
| Skin corrosion/irritation.         | Category 3  |
| Serious eye damage/eye irritation. | Category 2A |

### Signal Word

Warning



### Hazard Statements

Causes mild skin irritation.  
Causes serious eye irritation.

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response

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 skin irritation occurs: Get medical advice/attention.

### Precautionary Statements - Storage

No other specific measures identified.

### Precautionary Statements - Disposal

No other specific measures identified.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                 | CAS No      | Weight-% |
|-------------------------------|-------------|----------|
| Water                         | 7732-18-5   | 60-100   |
| Silicone Emulsion             | Proprietary | 7-13     |
| Sodium Polyacrylate Thickener | Proprietary | 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

#### First Aid Measures

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention/advice if irritation persists. |
| <b>Skin Contact</b> | Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse.    |
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing.   |
| <b>Ingestion</b>    | Rinse mouth. Drink plenty of water. Do not induce vomiting. If any discomfort persists, obtain medical attention.                              |

#### Most Important Symptoms and Effects

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | May cause painful stinging or burning of eyes and lids, watering of eyes. Prolonged contact may cause skin irritation. |
|-----------------|--|

#### Indication of any Immediate Medical Attention and Special Treatment Needed

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

#### Unsuitable Extinguishing Media

Not determined.

#### Specific Hazards Arising from the Chemical

None known.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or 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> | Avoid release to the environment.              |

#### Methods and Material for Containment and Cleaning Up

|                                |   |
|--------------------------------|---|
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for Clean-Up</b>    | Collect spillage. Collect in a clean, dry waste container for disposal. After cleaning, flush away traces with water. |

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling**                      Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Observe good industrial hygiene practices.

**Conditions for Safe Storage, Including Any Incompatibilities**

**Storage Conditions**                      Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep from freezing.

**Incompatible Materials**                      Strong acids. Oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|----------|------------|
| None Listed   |           |          |            |

**Appropriate Engineering Controls**

**Engineering Controls**                      Ventilation systems.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection**                      Eye protection should be used when splashing may occur.

**Skin and Body Protection**                      Wear protective gloves when handling this product.

**Respiratory Protection**                      No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

|                       |        |                       |                |
|-----------------------|--------|-----------------------|----------------|
| <b>Physical State</b> | Liquid | <b>Odor</b>           | None           |
| <b>Appearance</b>     | Opaque | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | White  |                       |                |

| <u>Property</u>              | <u>Values</u>      | <u>Remarks • Method</u> |
|------------------------------|--------------------|-------------------------|
| pH                           | 8.0-8.5            |                         |
| Melting Point/Freezing Point | ~ 0 °C / ~32 °F    |                         |
| Boiling Point/Boiling Range  | ~ 100 °C / ~212 °F |                         |
| Flash Point                  | Not applicable     | Tag Open Cup            |
| Evaporation Rate             | Not determined     |                         |
| Flammability (Solid, Gas)    | n/a-liquid         |                         |
| Upper Flammability Limits    | Not determined     |                         |
| Lower Flammability Limit     | Not determined     |                         |
| Vapor Pressure               | Not determined     |                         |
| Vapor Density                | Not determined     |                         |
| Specific Gravity             | 1.00               |                         |
| Water Solubility             | Completely soluble | @ 25 °C (77 °F)         |
| Solubility in other solvents | Not determined     |                         |
| Partition Coefficient        | Not determined     |                         |
| Auto-ignition Temperature    | Not determined     |                         |
| Decomposition Temperature    | Not determined     |                         |

|                             |                |
|-----------------------------|----------------|
| <b>Kinematic Viscosity</b>  | Not determined |
| <b>Dynamic Viscosity</b>    | Not determined |
| <b>Explosive Properties</b> | Not determined |
| <b>Oxidizing Properties</b> | Not determined |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children. Keep from freezing.

### Incompatible Materials

Strong acids. Oxidizers.

### Hazardous Decomposition Products

When exposed to fire, produces normal products of combustion.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

|                     |                                  |
|---------------------|----------------------------------|
| <b>Eye Contact</b>  | Avoid contact with eyes.         |
| <b>Skin Contact</b> | Avoid contact with skin.         |
| <b>Inhalation</b>   | Avoid breathing vapors or mists. |
| <b>Ingestion</b>    | Do not taste or swallow.         |

### Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-----------|-------------|-----------------|
| None Listed   |           |             |                 |

### Information on Physical, Chemical and Toxicological Effects

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Please see section 4 of this SDS for symptoms. |
|-----------------|--|

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

|                        |   |
|------------------------|---|
| <b>Carcinogenicity</b> | Not classifiable as a human carcinogen. |
|------------------------|---|

### Numerical Measures of Toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------|----------------------|------|----------------------------|-----------|
|               |                      |      |                            |           |

|             |  |  |  |  |
|-------------|--|--|--|--|
| None Listed |  |  |  |  |
|-------------|--|--|--|--|

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

**Other Adverse Effects**

Not determined.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

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**

**International Inventories**

Not determined

**US Federal Regulations**

**CERCLA**

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------|--------------------------|----------------|--------------------------|
| None Listed   |                          |                |                          |

**SARA 311/312 Hazard Categories**

**Acute Health Hazard**

Yes

**SARA 313**

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|---------------|--------|----------|-------------------------------|
| None Listed   |        |          |                               |

**CWA (Clean Water Act)**

| Component   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------|-----------------------------|------------------------|---------------------------|----------------------------|
| None Listed |                             |                        |                           |                            |

**US State Regulations**

**U.S. State Right-to-Know Regulations**

| Chemical Name | State List |
|---------------|------------|
| None Listed   |            |

|  |   |
|--|---|
| AZ- Arizona Ambient Air Quality Guidelines             | IL – Illinois Toxic Air Contaminant- Carcinogenic |
| CT- Connecticut Hazardous Air Pollutants               | MA – Massachusetts Right to Know List             |
| CA- California Director's List of Hazardous Substances | MN – Minnesota Hazardous Substances List          |
| CAP65- California Prop65                               | NJ – New Jersey Right to Know List                |
| FL- Florida Substances List                            | PA – Pennsylvania Right to Know List              |
| ID- Idaho Non-Carcinogen Toxic Air Pollutants          | RI – Rhode Island Hazardous Substances List       |

**16. OTHER INFORMATION**

|             |                       |                     |                         |                            |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b>NFPA</b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|             | Not determined        | Not determined      | Not determined          | Not determined             |
| <b>HMIS</b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|             | 2                     | 0                   | 0                       | Not determined             |

|                       |                        |
|-----------------------|------------------------|
| <b>Issue Date</b>     | 08-Aug-2011            |
| <b>Revision Date:</b> | 24-Jan-2014            |
| <b>Revision Note</b>  | New format Version 1.0 |

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief 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.

**Keep Out of Reach of Children. For Industrial and Institutional Use Only.**

\*Denotes changes from last version.

**End of Safety Data Sheet**