1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name: Defoam Anti-Foam Additive

Other means of identification
Product Code: NL640
Synonyms: None

Details of the supplier of the safety data sheet
Company Name: Nyco Products Company
5332 Dansher Road
Countryside, IL 60525
(708) 579-8100
nycoproducts.com

Emergency telephone number
Emergency Telephone: Chemtrec 1-800-424-9300

2: HAZARDS IDENTIFICATION

Classification
OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral: Not classified
Acute toxicity - Dermal: Not classified

Label elements
Emergency Overview

Appearance: White Emulsion
Physical state: Liquid
Odor: Pleasant

Precautionary Statements - Response
Specific Treatment (See Section 4 on the SDS)
Immediately call a POISON CENTER or doctor/physician

Hazard not otherwise classified (HNOC)
Other Information
Unknown Acute Toxicity
7% of the mixture consists of ingredient(s) of unknown toxicity

3: COMPOSITION/INFORMATION ON INGREDIENTS
4. FIRST AID MEASURES

First aid measures

Skin Contact  
Wash off immediately with plenty of water. Wash skin with soap and water.

Eye contact  
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Inhalation  
Remove to fresh air.

Ingestion  
Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms  
Any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Note to physicians  
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  
Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.

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

Personal precautions  
Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions  
See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment  
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up  
Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling  
Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials
None known based on information supplied.

### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-methoxypropoxy)propane 34500-94-8</td>
<td>STEL: 150 ppm&lt;br&gt;TWA: 100 ppm&lt;br&gt;S*</td>
<td>TWA: 100 ppm&lt;br&gt;TWA: 600 mg/m³&lt;br&gt;(vacated) TWA: 100 ppm&lt;br&gt;(vacated) STEL: 150 ppm&lt;br&gt;(vacated) STEL: 950 mg/m³&lt;br&gt;(vacated) S*</td>
<td>IDLH: 600 ppm&lt;br&gt;TWA: 100 ppm&lt;br&gt;TWA: 600 mg/m³&lt;br&gt;STEL: 150 ppm&lt;br&gt;STEL: 900 mg/m³</td>
</tr>
<tr>
<td>Formaldehyde 50-00-0</td>
<td>Ceiling: 0.3 ppm</td>
<td>TWA: 0.75 ppm&lt;br&gt;(vacated) TWA: 3 ppm unless specified in 1910.1048&lt;br&gt;(vacated) STEL: 10 ppm 30 min unless specified in 1910.1048&lt;br&gt;(vacated) Ceiling: 5 ppm unless specified in 1910.1048&lt;br&gt;STEL: 2 ppm see 29 CFR 1910.1048</td>
<td>IDLH: 20 ppm&lt;br&gt;Ceiling: 0.1 ppm 15 min&lt;br&gt;TWA: 0.016 ppm</td>
</tr>
</tbody>
</table>

**NIOSH IDLH** Immediately Dangerous to Life or Health

**Other Information**
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 955 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**
Showers, Eyewash stations & Ventilation systems.

**Individual protection measures, such as personal protective equipment**

- **Eye/face protection**
  Wear safety glasses with side shields (or goggles).

- **Skin and body protection**
  Rubber gloves if prolonged contact and/or handling large volumes.

- **Respiratory protection**
  If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

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

### 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| Physical state | Liquid |
| Appearance     | White Emulsion |
| Color          | White |
| Odor           | Pleasant |
| Odor threshold | No information available |

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>7.0 - 8.0</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.00</td>
<td></td>
</tr>
</tbody>
</table>
**Viscosity**  > 25 cP @ 25°C
**Melting point/freezing point**  No Information available
**Flash point**  Above 200°F
**Boiling point / boiling range**  est 212 *°* F
**Evaporation rate**  No Information available
**Flammability (solid, gas)**  No Information available
**Flammability Limits in Air**  No Information available
**Upper flammability limit:**  No Information available
**Lower flammability limit:**  No Information available
**Vapor pressure**  No Information available
**Vapor density**  No Information available
**Water solubility**  Dispersible
**Partition coefficient**  No Information available
**Autoignition temperature**  No Information available
**Decomposition temperature**  No Information available

**Other Information**

<table>
<thead>
<tr>
<th>Density Lbs/Gal</th>
<th>8.33</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Content (%)</td>
<td>1.003</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Reactivity**
No data available

**Chemical stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Conditions to avoid**
Extremes of temperature and direct sunlight.

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

**Hazardous Decomposition Products**
None known based on information supplied.

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<table>
<thead>
<tr>
<th>Product Information</th>
<th>Inhalation</th>
<th>Eye contact</th>
<th>Skin Contact</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Avoid breathing vapors or mists. May cause irritation of respiratory tract.</td>
<td>Avoid contact with eyes. Contact with eyes may cause irritation.</td>
<td>Avoid contact with skin. Prolonged or repeated contact may dry skin and cause irritation.</td>
<td>Do not taste or swallow. May cause gastrointestinal irritation.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-methoxypropoxy)propano</td>
<td>5230 mg/kg (Rat)</td>
<td>9500 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>34500-84-8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Information on toxicological effects**

**Symptoms**
No Information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**
NL640 Defoam Anti-Foam Additive

Revision Date 17-Apr-2015

Sensitization No Information available.
Germ cell mutagenicity No Information available.
Carcinogenicity No Information available.
Reproductive toxicity No Information available.
STOT - single exposure No Information available.
STOT - repeated exposure No Information available.
Target organ effects Central nervous system, EYES, Respiratory system.
Aspiration hazard No Information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 7% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

7.365% of the mixture consists of components(s) of unknown hazards to the aquatic environment

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-methoxypropoxy)propanol</td>
<td>-</td>
<td>10000; 96 h Pimephales promelas mg/L LC50 static</td>
<td>1919; 48 h Daphnia magna mg/L LC50</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>-</td>
<td>22.6 - 25.7; 96 h Pimephales promelas mg/L LC50 flow-through, 23.2 - 29.7; 96 h Pimephales promelas mg/L LC50 static 1510; 96 h Lepomis macrochirus μg/L, LC50 static 41; 96 h Brachydanio rerio mg/L, LC50 static 0.032 - 0.226; 96 h Oncorhynchus mykiss mg/L, LC50 flow-through 100 - 138; 96 h Oncorhynchus mykiss mg/L, LC50 static</td>
</tr>
</tbody>
</table>

Persistence and degradability
No Information available.

Bioaccumulation
No Information available.

Other adverse effects
No Information available

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
Do not reuse container.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>RCRA</th>
<th>RCRA - Basis for Listing</th>
<th>RCRA - D Series Wastes</th>
<th>RCRA - U Series Wastes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>U122</td>
<td>Included in waste streams: K005, K010, K038, K040, K106, K117</td>
<td></td>
<td>U122</td>
</tr>
</tbody>
</table>

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tending this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.
15. REGULATORY INFORMATION

International Inventories
TSCA  Compiles
DSL/INDSL  Compiles

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/INDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-methoxypropoxy)propano - 34590-94-8</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories
- Acute health hazard: No
- Chronic Health Hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde - 50-00-0</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-methoxypropoxy)propano - 34590-94-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Formaldehyde - 50-00-0</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. EPA Label Information
EPA Pesticide Registration Number: Not Applicable

16. OTHER INFORMATION

NFPA
Health hazards 0  Flammability 0  Instability 0  Physical and Chemical Properties: Yes

HMIS
Health hazards 0  Flammability 0  Physical hazards 0  Personal protection: B

Issue Date: 17-Apr-2015
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.

End of Safety Data Sheet