

## DESCRIPTION

*Defoamer 05* is a silicone type, water based defoamer. *Defoamer 05* provides excellent knockdown and foam control in food processing applications such as in the vegetable processing of peas, beans, fruits, potatoes and brine solutions.

*Defoamer 05* is also an extremely effective de-foaming agent in crab processing and controls most types of foaming problems.

## SPECIAL INFORMATION

*Defoamer 05* is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants. Surfaces in direct food contact must be rinsed with potable water.

Keep container closed. Keep from freezing.

## DIRECTIONS

*Defoamer 05* can be metered or hand measured into the food process stream. For most applications, effective foam control can be obtained at a dosage of 50-500 ppm. Proper treatment levels depend on many factors including nature of contaminants, equipment, and conditions particular to a specific process or quality.

## PHYSICAL DATA

|            |               |
|------------|---------------|
| Appearance | Opaque liquid |
| Color      | White         |
| Foam       | Non-foam      |
| Odor       | Odorless      |
| pH         | 3.5 - 4.0     |

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **DEFOAMER 05**

WHMIS CODE: Not Regulated  
Proper Shipping Name: N/A  
Hazard Class: N/A  
UN Number: N/A

Product Use: *Defoamer.*

| HMIS |              |
|------|--------------|
| 1    | Health       |
| 0    | Flammability |
| 0    | Reactivity   |
| B    | Personal     |

A=Goggles, B=Goggles & Gloves  
C=Goggles, Gloves and Apron

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ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

## SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

| <u>INGREDIENT</u> | <u>CAS NO.</u> | <u>RANGE %</u> | <u>PEL</u> | <u>TLV</u> |
|-------------------|----------------|----------------|------------|------------|
|-------------------|----------------|----------------|------------|------------|

NO HAZARDOUS MATERIALS.

## SECTION 3 – PHYSICAL DATA

|   |                              |                                     |                                       |
|---|------------------------------|-------------------------------------|---------------------------------------|
| <b>Color and Odor:</b> White, no odor.        | <b>Boiling Point:</b> N/D    | <b>Vapor Pressure (mm HG):</b> N/D  | <b>pH:</b> 3.5 – 4.5                  |
| <b>Physical State:</b> Liquid.                | <b>Melting Point:</b> N/A    | <b>Vapor Density:</b> N/D           | <b>Specific Gravity:</b> 0.996 @ 20°C |
| <b>Coef. Water/Oil Dist:</b> Greater than 1.0 | <b>Evaporation Rate:</b> N/D | <b>Solubility in Water:</b> Soluble | <b>Odor Threshold:</b> No Data        |

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

|  |  |   |
|--|--|---|
| <b>Flash Point and Method:</b> None to 100°C (TCC) | <b>Sensitivity to Mechanical Impact:</b> None. | <b>Extinguishing Media:</b> Not flammable.    |
| <b>Flammable Limits:</b> None known.               | <b>Sensitivity to Static Discharge:</b> None.  | <b>Auto ignition Temperature:</b> None known. |
| <b>Unusual Fire and Explosion Hazards:</b> None.   |  | <b>Conditions of Flammability:</b> None.      |

**Hazardous Combustion Products:** Carbon oxides may be liberated upon thermal decomposition.  
**Special Fire Fighting:** Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** Stable under normal storage conditions.  
**Hazardous Polymerization:** Will not occur.  
**Incompatibility (material to avoid):** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon oxides may be liberated upon thermal decomposition.

## SECTION 6 – TOXICOLOGICAL DATA

|   |   |
|---|---|
| <b>Exposure Limits:</b> See Section 2 under Hazardous Ingredient. | <b>Routes of Entry:</b> Skin and eye contact. |
| <b>Irritancy of Product:</b> May be irritating to eyes.           | <b>Carcinogenicity:</b> None known.           |
| <b>Sensitization:</b> None known.                                 | <b>Mutagenicity:</b> None known.              |
| <b>Name of Toxicological Synergistic Product:</b> None known.     | <b>Reproductive Toxicity:</b> None known.     |
| <b>Effects of Chronic Exposure:</b> None known.                   | <b>Teratogenicity:</b> None known.            |

**Effects of Acute Exposure to Product:** Product exposure may cause slight transient irritation to skin and eyes. Prolonged inhalation of mist may cause respiratory irritation. No hazard is anticipated from ingestion of small amounts.

## SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** Not required for normal use of product.  
**Ventilation:** Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.  
**Protective Gloves:** Not required for normal use of product.  
**Eye Protection:** Normally not required. However, Chemical goggles or safety glasses when eye contact may occur.  
**Protective Clothing and Equipment:** Eyes wash recommended in the immediate work area.  
**Storage and Handling Procedures:** Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.  
**Disposal Procedures for Spills or Leaks:** Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.  
**Waste Disposal Method:** Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.  
**Special Shipping Information:** Store at temperatures below 30°C. Keep from freezing.

## SECTION 8 – EMERGENCY FIRST AID PROCEDURES

**First Aid:**  
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

## PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division      PHONE: 604-526-5655      LAST UPDATE: 07/04/11  
THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE