

MATERIAL SAFETY DATA SHEET

ENSOLVE[®] BIOSYSTEMS, INC
5805 Departure Drive, Suite B
Raleigh, NC 27616
(919) 954-6196

GREASEFEAST[®]

National Fire Protection Association Rating

Hazardous Material Identification System

4=Extreme/Severe 3=High/Serious

2=Moderate 1=Slight 0=Minimum

	NFPA	HMIS
Health	1	1
Fire	0	0
Reactivity	0	0

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: GREASEFEAST[®]

Water-based multipurpose degreaser

MANUFACTURER: ENSOLVE BIOSYSTEMS, INC.

ADDRESS: 5805 Departure Drive, Suite B

RALEIGH, NC 27616

TELEPHONE NUMBERS: Emergencies (919) 954-6196

Product Information (919) 954-6196

2. COMPOSITION / INFORMATION ON INGREDIENTS

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this MSDS for our assessment of the potential hazards of this formulation.

HAZARDOUS INGREDIENTS:

This product is not hazardous as defined by OSHA regulations. No component is considered to be a carcinogen.

3. HAZARDS IDENTIFICATION

Emergency Overview

Light green color liquid. Sweet, citrus odor.

HEALTH HAZARD:	WARNING! CAUSES EYE IRRITATION. Direct contact may cause irritation.
FIRE OR EXPLOSION:	This product will not readily ignite or burn.
SPILL PRECAUTIONS:	Slippery, may cause fall if walked on.

Potential Health Effects

EYES:

Irritation and inflammation may occur with direct exposure to concentrated product.

SKIN:

Repeated or prolonged contact may cause redness, irritation, or scaling of the skin. Normal care and personal hygiene should prevent skin effects.

INHALATION:

This material is a negligible hazard due to its low volatility.

INGESTION:

Low order of toxicity. No hazard by this route in normal use. Ingestion of large amounts may be irritating to the gastrointestinal tract.

SIGNS AND SYMPTOMS:

This product contains residual levels of alcohols which, even under normal handling conditions, may smell and irritate the eyes, nose, and throats of some individuals.

4. FIRST AID MEASURES

EYES:

Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

SKIN:

Remove contaminated clothing. Wash skin with soap and water. Get medical attention if symptoms occur. Wash clothing before reuse.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.

INGESTION:

If swallowed, call physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

5. ECOTOXICOLOGICAL INFORMATION

This product has not been specifically tested. Data for a similar product are provided below:

This material is rapidly biodegraded as manifested by a 99.2% removal of the parent compound, 100% removal of foam and surface tension depression activity in the ASTM shake flask test.

The *Daphnia magna* 48-hr LC₅₀ of the parent material was 14.4 mg/L as per the ASTM method. Upon biodegradation in the above mentioned shake flask test, no acute toxicity to *Daphnia magna* was detectable.

DATE	REVISION	DESCRIPTION	WRITTEN BY	APPROVED BY
10/24/08	R1	Generated MSDS for modified product (no microbial capsule)	MS	MS