

EnvirOx LLC

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT INFORMATION

PRODUCT NAME: GREASINATOR CONCENTRATE

PRODUCT CLASSIFICATION: Water Soluble Degreaser

MANUFACTURER: EnvirOx LLC P.O. 2327, Danville, IL 61834-2327
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SECTION II - INGREDIENTS

HAZARDOUS INGREDIENTS:

The exact composition of this material is a trade secret.

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None

FLAMMABLE EXPLOSIVE LIMITS % BY VOLUME: Lower: Unknown
Upper: Unknown

FIRE EXTINGUISHING MEDIA: CO₂ or Dry Chemical

SPECIAL FIRE-FIGHTING PROCEDURES: Use All-Purpose type Foam for large fires.
Use CO₂ or Dry Chemical for small fires.

UNUSUAL FIRE AND EXPLOSION HAZARD: Emits toxic fumes under fire conditions.

SECTION IV - PHYSICAL DATA

BOILING POINT: 212 Degrees F.

SPECIFIC GRAVITY (Water= 1) : <1

SOLUBILITY IN WATER: Soluble

MELTING POINT: Unknown

PH: 7-8

APPEARANCE: Clear Liquid

ODOR: Slight

SECTION V - PRODUCT HEALTH HAZARD DATA

PRINCIPAL ROUTES OF ABSORPTION:

Inhalation -	Mild irritant to the respiratory tract if inhaled as mist
Ingestion -	May cause gastrointestinal irritation
Skin -	Prolonged or repeated contact may cause irritation to the skin
Eye -	May cause eye irritation

POSSIBLE SYMPTOMS OF OVEREXPOSURE: Dry skin or stinging sensation

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation - Given the dilution of this product, it is not expected to present a significant inhalation hazard under ambient conditions. Product can be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized.

Ingestion - Drink several glasses of water and consult physician.

Skin - If irritation occurs, rinse thoroughly with water for at least 15 minutes. Apply moisturizing cream. If irritation persists, consult physician.

Eye - Flush eyes with water for at least 15 minutes holding lids apart to ensure complete irrigation. If irritation persists, consult physician.

SECTION VI - REACTIVITY DATA

STABLE:	Yes
STABILITY CONDITIONS TO AVOID:	None known.
INCOMPATIBILITY (Materials to Avoid):	Strong Acids, Oxidizers, and Strong bases.
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION VII - SPILL, LEAK OR DISPOSAL PROCEDURES

WASTE DISPOSAL METHOD:	Disposal of this material in accordance with federal, state, and local laws.
PRECAUTIONS IN HANDLING AND STORING:	Store indoors. Store away from strong reducing agents.
OTHER PRECAUTIONS TO BE TAKEN:	None known

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS:	General ventilation adequate.
PROTECTIVE EQUIPMENT:	
Eye-	Safety Glasses recommended when handling concentrate.
Skin-	Protective gloves recommended when handling concentrate.
OTHER PROTECTIVE PRECAUTIONS	Respiratory equipment is not required if product is used in large area.

HMIS Codes: Health: 1
 Flammability: 0
 Reactivity: 0

Transport Information

Land Transport: Not classified as a dangerous or hazardous product.

Sea Transport: Not classified as a dangerous or hazardous Product

Air Transport: Not classified as a dangerous or hazardous Product.

Section IX – EGOLOGICAL DATA

Test Method

OECD TG @10 Fish Early Life Stage Toxicity Test
US EPA FIFRA 72-4a) Fish Early Life Stage Toxicity Test

Species Pimephelas (Fathead Minnow)

Exposure: 33 days

Medium Drinking water:

Water Hardness 98-101 CaCo3/L

Method Remarks: Test was conducted under flow through conditions on four replicates with fertilized eggs of <6h old at the start of exposure that were laid by 8 different breeding groups of fathead minnows. Statistical evaluation was Dunnett's test. (a simultaneous comparison of several dose groups with the control – two sided) of body weights (wet and dry) and lengths of the fish and Fisher's test (a pair-wise comparison of each dose group with the control one sided) for the embryo, larvae, and fish survival. The temperature, pH, oxygen content, conductivity, acid capacity and total hardness were within acceptable limits over the exposure period.

Remarks and Results

This analogue polymer detergent is considered to be slightly toxic to fish.
No abnormalities in appearance of behavior were observed in any of the test groups surviving until sacrifice.
The control group at day 33 survived 81 fish.
The test group at day 33 survived 75 fish.

The exact composition of this material is a trade secret.

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