

**MATERIAL SAFETY DATA SHEET  
TIFA INTERNATIONAL LLC**

PAGE: 1 of 5

**CHEM FISH REGULAR**

EPA REG. NO. 82397-1

DATE 1/5/2015

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**SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**  
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PRODUCT NAME: CHEM FISH REGULAR 5%  
CHEMICAL NAME: ROTENONE 5% Emulsifiable Liquid

PRODUCT DESCRIPTION: Chem Fish Regular 5% Rotenone Liquid is a formulation used for the control of Fish in lakes and ponds

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**MANUFACTURER NAME:**  
TIFA INTERNATIONAL LLC  
109 Stryker Lane, Bldg. 3, Suites 4-5  
Hillsborough, NJ 08844  
Tel: 908-829-3230 Fax: 908-829-3240

**For Chemical Emergency  
Spill Leak Fire Exposure or Accident  
Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)**

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**SECTION 2 COMPOSITION/HAZARDOUS INGREDIENTS**  
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Rotenone 23 22 6	CAS # 83-79-4	5%
Other Associated Resins		5%
Aromatic Petroleum Solvent (Variable Mixture), Emulsifier #1, Emulsifier #2		
	Approx. 85 100ppm	90%

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**SECTION 3 HAZARDS IDENTIFICATION**  
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**POTENTIAL HEALTH EFFECTS:**

EYE CONTACT: Irritation - wear safety glasses to protect eyes from contact with liquid or mist

SKIN CONTACT: Could cause irritation

INHALATION: Could produce nausea, vomiting and tremors

INGESTION: Could produce nausea, vomiting and tremors

CHRONIC EFFECTS: Chronic exposure to rotenone can cause damage to liver or kidneys

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**SECTION 4 FIRST AID MEASURES – EMERGENCY TREATMENT**

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**INGESTION:** If ingested, call poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. Call a poison control center.

**SKIN CONTACT:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**EYE CONTACT:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**HOTLINE: 1-800-858-7378** – Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** May pose an aspiration pneumonia hazard

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**SECTION 5 - FIRE - FIGHTING MEASURES**

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**FLASHPOINT:** 145 F (TCC)

**FLAMMABLE LIMITS:** N/A

**EXTINGUISHING MEDIA:** CO2, Foam, Dry chemical or water spray

**SPECIAL FIRE FIGHTING PROCEDURES:** Do not inhale smoke. Use self-contained breathing apparatus and protective clothing. This product is extremely toxic to fish, and is toxic to birds and other wildlife. Prevent spread of contaminated runoff.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** When heated to decomposition, product emits acrid smoke and fumes.

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**SECTION 6 - SPILL OR LEAK PROCEDURES:**

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**IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear protective equipment, as required, to prevent contact with product or its vapors. Cover the spilled materials with large amount of absorbent material, such as clay, earth, sand or sawdust. Sweep the contaminated absorbent onto a shovel and put the sweepings into a salvage drum. Mark the drum with the name of the product, ingredient statement and precautionary statement. This product is toxic to fish. Do not contaminate any body of water by cleaning equipment or disposing of wastes.

**WASTE DISPOSAL – SEE SECTION 13**

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**SECTION 7 - STORAGE AND HANDLING:**

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**STORAGE:** Store in original containers in dry place away from excessive heat or cold temperatures

**HANDLING** wear protective clothing gloves respirator and safety glasses.

If material is spilled - vacuum up or sweep up any spills. This product is toxic to fish. Do not contaminate any body of water by cleaning equipment or disposing of wastes.

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**EXPOSURE CONTROLS:** The use of local exhaust ventilation is recommended if needed.

**PERSONAL PROTECTION:** Wear respirator-NIOSH Certified for dust/mist  
Wear protective clothing, wear protective gloves either cloth or rubber. Wear safety glasses with side shields.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE:** Clear Brown liquid  
**Odor :** Mild  
**Boiling Point :** Not available  
**Physical State:** Liquid  
**Solubility in Water:** Emulsifies  
**Vapor Pressure:** Not available  
**Vapor Density:** Not Available  
**Specific Gravity or Density:** 7.37 lbs/gal

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**SECTION 10 - STABILITY AND REACTIVITY**

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**STABILITY:** Stable  
**CONDITIONS TO AVOID INSTABILITY:** Constant exposure to light and high temperatures  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:** Not Applicable  
**MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:** Not Applicable  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Applicable

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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**ACUTE**  
ORAL – Rats : LD50 295 mg/kg (males), 130 mg/kg (females)  
DERMAL- Rabbits LD50>2020 mg/kg  
INHALATION – Rates: LC50 0.087 mg/L (males)  
EYE IRRITATION: Minimally Irritating  
DERMAL IRRITATION: Slightly Irritating  
DERMAL SENSITIZATION: Sensitizer

**SUBCHRONIC:** Not Available

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**SECTION 12. ECOLOGICAL INFORMATION**

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**ECOTOXICOLOGICAL INFORMATION:**  
This product is extremely toxic to fish. Fish kills are expected at recommended rates. Consult your State Fish & Game Agency before applying this product to public waters to determine if a permit is needed for such an application.

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**ENVIRONMENTAL PRECAUTIONS:**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans and other waters unless in accordance with the requirements of national and local laws. Do not discharge effluent Containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or EPA Regional Office.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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Do not contaminate water, food or feed by disposal

**PESTICIDE DISPOSAL METHOD:**

Pesticide wastes are acutely hazardous. Improper disposal of pesticide waste, spray mixture or rinsate Is in violation of Federal Law. If these wastes cannot be disposed of by use according to the label Instructions, contact your State Pesticide or Environmental Control Agency for guidance

**DISPOSAL OF EMPTY CONTAINERS:**

Triple rinse ( or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill Or by other approved State and Local procedures

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**14. TRANSPORT INFORMATION**

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**TRANSPORTATIONS INFORMATION:**

**DOT Classification:** Pesticide, Liquid, Toxic, N.O.S.(Methylated Naphthalene, Rotenone)

**HAZARD CLASS:** 6.1, PG I

**Subsidiary Class:** 9

**DOT Shipping Label:** TOXIC /Inhalation Hazard

**Additional Shipper Paper Description:** Marine Pollutant

**INTERNATIONAL TRANSPORTATION REGULATIONS:**

**ICAO/IATA DESCRIPTION**

**PROPER SHIPPING NAME:** PESTICIDE, LIQUID, TOXIC, N.O.S

**PRIMARY HAZARD CLASS:** 6.1, PG I

**Subsidiary hazard Class:** 9

**IMO DESCRIPTION (IMDGCODE):**

PESTICIDES LIQUID, TOXIC, N.O.S

(ROTENONE)

CLASS 6.1 LABEL CODES: 6.1 UN 2902 PG I

MARINE POLLUTANT

IMDG CODE PAGE NO. 6220

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**SECTION 15. REGULATORY INFORMATION**  
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EPA Registration Number 82397-1

SARA TITLE III NOTIFICATION AND INFORMATION

Section 302 ( EHS) Ingredients: None

Section 304 (CERCLA & EHS) ingredients (RQ) None

Section 313 Ingredients: None

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**SARA TITLE NOTIFICATIONS AND INFORMATION:**

SARA TITLE III – HAZARD CLASSES: Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: yes

Sudden Release of Pressure Release Hazard: No.

Reactivity Hazard: No.

REGULATED INGREDIENTS:

INGREDIENTS: Rotenone

Cas Number 83-79-4

Percent by Weight: 5%

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**SECTION 16. OTHER INFORMATION:**  
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