SECTION 1  CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

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)

SECTION 2  COMPOSITION/HAZARDOUS INGREDIENTS

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%

SECTION 3  HAZARDS IDENTIFICATION

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
SECTION 4  FIRST AID MEASURES – EMERGENCY TREATMENT

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

SECTION 5 - FIRE - FIGHTING MEASURES

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 productive clothing. This produce 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.

SECTION 6 - SPILL OR LEAK PRODUCURES:

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

SECTION 7 - STORAGE AND HANDLING:

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.
SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10 - STABILITY AND REACTIVITY

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 INCOMPATABILITY: Not Applicable
HAZARDOUS DECOMPOSITION PRODUCTS: Not Applicable

SECTION 11. TOXICOLOGICAL INFORMATION

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

SECTION 12. ECOLOGICAL INFORMATION

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.
ENVIRONMENTAL PRECAUTIONS:
Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans and other
dwaters 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.

SECTION 13. DISPOSAL CONSIDERATIONS
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

14. TRANSPORT INFORMATION

TRANSPORTIONS 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
SECTION 15. REGULATORY INFORMATION

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

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%

SECTION 16. OTHER INFORMATION:

DISCLAIMER OF EXPRESS AND IMPLIED WARRANTIES

This information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Buyer assumes all responsibility for safety and use not in accordance with label instructions.