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**EMERGENCY RESPONSE NUMBERS**

(801) 226-2018 – MONDAY – FRIDAY MOUNTAIN TIME ZONE  
(801) 225-3626 – ALL OTHER TIMES

**MATERIAL SAFETY DATA SHEET**

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**SECTION 1 ---PRODUCT / CHEMICAL IDENTIFICATION**

PRODUCT NUMBER: FT-001  
PRODUCT NAME: FEROX FUEL TABS – COMBUSTION CATALYST FOR HYDROCARBON FUELS

**SECTION 2 ---PRODUCT INFORMATION / COMPOSITION**

ORGANO METALLIC COMPOUNDS IN SOLID AROMATIC CARRIER

	<u>CAS NUMBER</u>	<u>CONCENTRATION</u>
ORGANOMETALLIC	*	*
SOLID AROMATIC CARRIER	*	*

\* TRADE SECRET CLAIM

**SECTION 3 ---HAZARD IDENTIFICATION**

MAY BE HARMFUL IF INGESTED, INHALED OR ABSORBED THROUGH THE SKIN.  
VAPOR OR MIST MAY BE IRRITATING TO THE EYES, MUCOUS MEMBRANES, AND UPPER RESPIRATORY TRACT.  
EXPOSURE CAN CAUSE GASTRO-INTESTINAL DISTURBANCES, NAUSEA, HEADACHE, OR VOMITING.  
CHRONIC DERMAL EXPOSURE TO AN INGREDIENT IN THE PRODUCT HAS BEEN SHOWN TO INCREASED INCIDENCE OF SKIN TUMOURS IN LABORATORY ANIMALS.  
INHALATION OF AN INGREDIENT IN THIS PRODUCT HAS BEEN SHOWN TO CAUSE CARDIOVASCULAR CHANGES SIMILAR TO ATHEROSCLEROSIS IN LABORATORY ANIMALS.

**SECTION 4 ---FIRST AID MEASURES**

IN CASE OF CONTACT WITH EYES, IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 20 MINUTES.  
IN CASE OF CONTACT WITH SKIN, IMMEDIATELY WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER AT LEAST 20 MINUTES.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
IF INGESTED SEEK MEDICAL ATTENTION IMMEDIATELY. IF VOMITING OCCURS NATURALLY, LEAN VICTIM FORWARD TO REDUCE RISK OF ASPIRATION. CALL A PHYSICIAN. (CONTAINS NO HEAVY METALS)

**SECTION 5 ---FIRE FIGHTING MEASURES AND EXPLOSION DATA---**

FLASH POINT: TAG CLOSED CUP; 110 °C  
WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL, OR POLYMER FOAM.  
SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH VAPORIZED MATERIAL AND/OR TOXIC FUMES.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE.

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

PLACE IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

**SECTION 7 ---PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

PLEASE REFER TO SECTION 8

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## SECTION 8 ---EXPOSURE CONTROL / PERSONAL PROTECTION (CONTINUED)

CHEMICAL SAFETY GOGGLES AND A FACE SHIELD  
IMPERVIOUS RUBBER GLOVES  
OSHA/MSHA-APPROVED RESPIRATOR  
SAFETY SHOWER AND EYE BATH  
MECHANICAL EXHAUST REQUIRED  
AVOID BREATHING VAPOR  
AVOID PROLONGED OR REPEATED EXPOSURE  
DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING  
WASH THOROUGHLY AFTER HANDLING  
KEEP AWAY FROM HEAT OR OPEN FLAME  
STORE IN A COOL, DRY PLACE  
FLAMMABLE

## SECTION 9 ---PHYSICAL AND CHEMICAL PROPERTIES---

BOILING POINT: 255°C  
MELTING POINT: 70°C  
VAPOR DENSITY: 5.3 (air = 1)  
VAPOR PRESSURE: <1psi  
SPECIFIC GRAVITY: 1.04  
SOLUBILITY IN WATER: NEGLIGIBLE  
APPEARANCE: AMBER SOLID

## SECTION 10 ---STABILITY AND REACTIVITY DATA---

STABILITY: STABLE  
INCOMPATIBILITIES: STRONG OXIDIZING AGENTS  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: CARBON DIOXIDE AND CARBON MONOXIDE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## SECTION 11 ---TOXOLOGICAL INFORMATION---

THE FOLLOWING LETHALITY VALUE HAS BEEN REPORTED IN THE LITERATURE FOR THE SOLID AROMATIC CARRIER.

LD<sub>50</sub> (ORAL, RAT) >2000 MG/KG

THE FOLLOWING LETHALITY VALUE HAS BEEN REPORTED IN THE LITERATURE FOR THE ORGANOMETALLIC.

LD<sub>50</sub> (ORAL, RAT) >1200 MG/KG

NO EVIDENCE OF CARCINOGENICITY

TO THE BEST OF OUR KNOWLEDGE, THE TOXICOLOGICAL PROPERTIES OF THIS MIXTURE OF MATERIALS HAVE NOT BEEN THOROUGHLY INVESTIGATED.

## SECTION 12 ---ECOLOGICAL INFORMATION

DATA FOR THIS PRODUCT ARE NOT YET AVAILABLE

## SECTION 13 ---DISPOSAL PROCEDURES

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.  
OBSERVE ALL FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.

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**SECTION 14 ---TRANSPORTATION INFORMATION**

THE DATA PROVIDED IN THIS SECTION IS FOR INFORMATION ONLY. PLEASE APPLY THE APPROPRIATE REGULATIONS TO PROPERLY CLASSIFY YOUR SHIPMENT FOR TRANSPORTATION.

**US DOT:**

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MIXTURE)

UN: 3077

CLASS: 9

GROUP: III

SPECIAL PROVISIONS: THIS MATERIAL MEETS THE DEFINITION OF A MARINE POLLUTANT.

**ICAO/IATA:**

SEE DOT INFORMATION

**SECTION 15 ---REGULATORY INFORMATION---**

DATA FOR THIS MIXTURE ARE NOT YET AVAILABLE.

**SECTION 16 ---ADDITIONAL COMMENTS AND INFORMATION.**

**IRRITANT!** USE WITH CAUTION. ALWAYS USE PERSONAL PROTECTIVE EQUIPMENT AND FOLLOW SAFE LABORATORY PRACTICES DURING THE HANDLING OR DISPOSAL OF THIS CHEMICAL.

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