

FEROX LLC

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EMERGENCY RESPONSE

CHEMTREC® - ONLY IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT.

(800) 424-9300 -- USA,
(202) 483-7616 (collect) -- INTERNATIONAL

UPDATED November 5, 2007

MATERIAL SAFETY DATA SHEET

FEROX 230

-----IDENTIFICATION-----

PRODUCT NAME: FEROX 230 (IN PETROLEUM CARRIER SOLVENT)

-----TOXICITY HAZARDS-----

TLV-TWA 100 ppm (PETROLEUM CARRIER SOLVENT)

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

-----HEALTH HAZARD DATA-----

ACUTE EFFECTS OF EXPOSURE:

IRRITANT!

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES, AND UPPER RESPIRATORY TRACT.

CAUSES SKIN IRRITATION. EXPOSURE CAN CAUSE: GASTROINTESTINAL DISTURBANCES, NAUSEA, HEADACHE, AND VOMITING.

FIRST AID:

IN CASE OF CONTACT WITH EYES, IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT WITH SKIN, IMMEDIATELY WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

CALL A PHYSICIAN.

-----PHYSICAL DATA-----

BOILING POINT: 358-410°F

VAPOR PRESSURE: <1psi

VAPOR DENSITY (AIR = 1): 4.8

SPECIFIC GRAVITY: 0.79 - 0.82 at 60°F

EVAPORATION RATE (n-BuAc = 1): 0.03

SOLUBILITY IN WATER: NEGLIGIBLE

APPEARANCE: CLEAR, AMBER LIQUID WITH HYDROCARBON ODOR

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-----FIRE AND EXPLOSION DATA-----

FLASH POINT: TAG CLOSED CUP; 142°F

EXTINGUISHING MEDIA:

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.

-----REACTIVITY DATA-----

STABILITY: STABLE

INCOMPATIBILITIES:

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

CARBON DIOXIDE AND CARBON MONOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

-----SPILL OR LEAK PROCEDURE-----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

SHUT OFF ALL SOURCES OF IGNITION. EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS, AND HEAVY RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE, TAKE UP, PLACE IN A CLOSED CONTAINER, AND HOLD FOR WASTE DISPOSAL. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD:

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.

-----PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-----

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

HARMFUL LIQUID

KEEP AWAY FROM HEAT OR OPEN FLAME

KEEP TIGHTLY CLOSED WHEN NOT IN USE

STORE IN A COOL, DRY PLACE

COMBUSTIBLE

-----ADDITIONAL PRECAUTIONS AND COMMENTS-----

MATERIAL SAFETY DATA SHEET

FEROX 230

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

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY IS MADE, EITHER EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR THE RESULTS TO BE OBTAINED FROM THE USE OF SUCH INFORMATION. FEROX INCORPORATED SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.