
REACTIVITY DATA

Chemical Stability: STABLE WHEN DRY

Incompatibility: STRONG ACIDS, STRONG ALKALIES, OXIDIZERS, ORGANICS, ARSENIC TRIOXIDE, SODIUM NITRATE, METHYL ISOCYANOACETATE

Conditions of Reactivity: MOIST, WET CONDITIONS OR FIRE

Hazardous Decomposition Products: AMMONIA, CARBON MONOXIDE, NITROGEN OXIDES, SULFUR OXIDES, IRON OXIDES, TOXIC FUMES

TOXICOLOGICAL PROPERTIES

Route of Entry:

Effects of Acute or Chronic Exposure:

SKIN CONTACT – SKIN CONTACT CAN CAUSE IRRITATION ESPECIALLY UNDER THE FINGER NAIL AND OTHER CONFINED SPACES.

SKIN ABSORPTION – A SINGLE, PROLONGED SKIN EXPOSURE IS NOT LIKELY TO RESULT IN THE ABSORPTION OF TOXIC AMOUNTS OF MATERIAL.

EYE CONTACT – CAN CAUSE SEVERE EYE IRRITATION. IRRITATION COULD OCCUR IF FERTILIZER SOLUTION IS SPLASHED IN EYES OR DRY PRODUCT CONTACTED.

INHALATION – CAN CAUSE IRRITATION TO NOSE, THROAT AND RESPIRATORY TRACT. EXCESSIVE CONTACT WITH POWDER MAY CAUSE DRYING OF MUCOUS MEMBRANES OF NOSE AND THROAT.

INGESTION - THIS PRODUCT CAN CAUSE BURNING AND PAIN IN THE MOUTH, THROAT AND ABDOMEN. VOMITING, DIARRHEA, AND PERFORATION OF THE ESOPHAGUS AND STOMACH LINING MAY OCCUR. INGESTION OF LARGE AMOUNTS MAY CAUSE NAUSEA, GASTROINTESTINAL UPSET AND ABDOMINAL PAIN.

Exposure Limits:
ND

Synergistic Products:
ND

Sensitization / Irritancy:
MAY CAUSE MINOR IRRITATION

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects:

FERROUS SULFATE MAY CAUSE REPRODUCTIVE EFFECTS BASED ON STUDIES IN LABORATORY ANIMALS.

FERROUS SULFATE HAS BEEN SHOWN TO INDUCE MICROORGANISM AND RODENT CELL MUTATIONS.

PREVENTIVE MEASURES:

Personal Protective Equipment:

RESPIRATORY - DUST MASK IF CONDITIONS WARRANT.

EYES - WEAR SAFETY GLASSES TO AVOID EYE CONTACT. DO NOT WEAR CONTACT LENSES.

GLOVES - WEAR IMPERMEABLE GLOVES TO AVOID SKIN CONTACT.

Engineering Controls:

VENTILATE TO CONTROL DUST.

Leak or Spill Procedure:

CONTAIN THE SPILL. AVOID CONTACT WITH COMBUSTIBLES, ORGANICS, AND IGNITION SOURCES. SWEEP UP SPILLED MATERIAL AND USE OR DISPOSE OF IN APPROVED MANNER. MINIMIZE AIR BORNE SPREADING OF DUST. DO NOT USE COMPRESSED AIR TO CLEAN SURFACES. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS.

PREVENTIVE MEASURES (continued)

Disposal:

DISPOSE OF IN NON CROP AREAS AWAY FROM WATERWAYS, IN ACCORDANCE WITH FEDERAL AND LOCAL REGULATIONS.

Handling Procedures and Equipment:

AVOID DIRECT AND PROLONGED CONTACT WITH SKIN.

Storage Requirements:

KEEP OUT OF REACH OF CHILDREN. STORE IN A DRY PLACE. KEEP AWAY FROM HEAT, SPARKS AND AVOID MOISTURE CONTAMINATION.

Shipping Information:

NOT REGULATED BY TDG

FIRST AID MEASURES:

SKIN - WASH WITH SOAP AND WATER. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER. IF IRRITATION, REDNESS OR BURNING DEVELOPS AND PERSISTS, SEEK MEDICAL ADVICE.

EYES - FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER FOR AT LEAST 20 MINUTES. HOLD EYELIDS OPEN DURING FLUSHING. SEEK ATTENTION IF IRRITATION PERSISTS. DO NOT TRANSPORT VICTIM UNTIL THE RECOMMENDED FLUSHING PERIOD IS COMPLETED UNLESS FLUSHING CAN BE CONTINUED DURING TRANSPORT.

INHALATION - REMOVE TO FRESH AIR IF EFFECTS OCCUR. GIVE ARTIFICIAL RESPIRATION ONLY IF BREATHING HAS STOPPED. GIVE CARDIOPULMONARY RESUSCITATION (CPR) IF THERE IS NO BREATHING AND NO PULSE. CONSULT PHYSICIAN IMMEDIATELY.

INGESTION – DO NOT ATTEMPT TO GIVE ANTING BY MOUTH TO AN UNCONSCIOUS PERSON. VOMITING SHOULD BE INDUCED UNDER THE DIRECTION OF A PHYSICIAN OR A POISON CONTROL CENTRE. IF SPONTANEOUS VOMITING OCCURS HAVE VICTIM LEAN FORWARD WITH HEAD DOWN TO AVOID BREATHING IN OF VOMITUS, RINSE MOUTH AND ADMINISTER MORE WATER. FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION IMMEDIATELY.

ADDITIONAL INFORMATION:

MAY BE HARMFUL TO AQUATIC LIFE.

PREPARATION INFORMATION

Department:

Phone Number:

Date:

TECHNICAL

(905) 793-8000

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NA - Not Applicable

ND - Not Determined