

AMERICAN CYANAMID CO LEDERLE LABORATORIES DIV --
NOVANTRONE MITOXANTRONE HCL CONCENTRATE FOR
INJECTION,9393 -- 6505-01-292-6658

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Product Identification
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Product ID:NOVANTRONE MITOXANTRONE HCL CONCENTRATE FOR INJECTION,9393
MSDS Date:04/09/1991

FSC:6505

NIIN:01-292-6658

MSDS Number: BSHPC

=== Responsible Party ===

Company Name:AMERICAN CYANAMID CO LEDERLE LABORATORIES DIV

Address:1 CYANAMID PLZ

City:WAYNE (FORMALLY IN PEARL RIVER,NY,10965)

State:NJ

ZIP:07470

Country:US

Info Phone Num:201-831-2000

Emergency Phone Num:201-831-2000

Preparer's Name:CHARLES S. SCHWARTZ, PHD

CAGE:06404

=== Contractor Identification ===

Company Name:AMERICAN CYANAMID CO LEDERLE LABORATORIES DIV

Address:1 CAMPUS DR

Box:City:PARSIPPANY

State:NJ

ZIP:07054-4404

Country:US

Phone:973-683-2000

CAGE:06404

Company Name:AMERICAN CYANAMID CO LEDERLE LABORATORIES DIV

Address:1 CYANAMID PLZ

Box:City:WAYNE

State:NJ

ZIP:07470

Country:US

Phone:201-831-2000

CAGE:3M726

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Composition/Information on Ingredients
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Ingred Name:MITOXANTRONE HCL

CAS:70476-82-3

Fraction by Wt: 0.2%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT): 682-721 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION-MILDLY IRRITATING.

INGESTION-MAY CAUSE GI IRRITATION. SKIN-MAY CAUSE IRRITATION.

EYE-IRRITATION. CHRONIC:CARDIOVASCULAR AND BIRTH DEFECTS.

CYTOTOXIC.

Effects of Overexposure:IRRITAION, REDNESS, NAUSEA, VOMITING, LOOSE STOOL, DIARRHEA, DECREASE WHITE BLOOD CELL COUNT, INCREASED SUSCEPTIBILITY TO INFECTION.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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===== First Aid Measures =====

First Aid:EYE-FLUSH PROMPTLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SKIN-WASH WITH SOAP & WATER; THEN FLUSH WITH WATER UNTIL CHEMICAL IS REMOVED. INGESTION-IF CONSCIOUS, INDUCE VOMITING AS DIRECTED BY DO CTOR, IMMEDIATELY GET MEDICAL HELP. INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

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===== Fire Fighting Measures =====

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. WIPE OR MOP UP AND PLACE IN A CONTAINER FOR DISPOSAL. FLUSH RESIDUE AWAY WITH WATER.
Neutralizing Agent:WATER PLUS DISH SOAP

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===== Handling and Storage =====

Handling and Storage Precautions:STORE AT 59-86F. DO NOT REFRIGERATE OR FREEZE. SHELF LIFE FROM DATE OF MFRG IS 2 YRS. PROTECT FROM PHYSICAL DAMAGE.
Other Precautions:NOVANTRONE CONCENTRATE IS FOR INJECTION ONLY. KEEP OUT OF REACH OF CHILDREN. FOR THERAPEUTIC USE ONLY.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR WHEN USING IN CONFINED SPACES.
Ventilation:LOCAL TO CONTROL DUST OR MIST.
Protective Gloves:RUBBER
Eye Protection:SAFETY GOGGLES
Other Protective Equipment:WEAR REGULAR WORK CLOTHES, INCLUDING LONG-SLEEVED SHIRT & TROUSERS.
Work Hygienic Practices:WASH HANDS, FACE AND EXPOSED BODY PART AT LUNCH & BREAKS, AND AT END OF SHIFT.
Supplemental Safety and Health
THIS MEDICINE IS USED AS AN ANTICANCER, OCCUPATIONAL HAZARD IS INVOLVED. TAKE PRECAUTIONS AGAINST OVEREXPOSURE. TOXIC CHLORINE GAS IS GENERATED WHEN MIXED WITH BLEACH.

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:212F,100C

pH:3-4.5

Appearance and Odor:STERILE, DARK BLUE SOLUTION, ODORLESS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, LIKE HYPOCHLORITE AND PERMANGANATE.

Stability Condition to Avoid:HIGH HEAT.

Hazardous Decomposition Products:TOXIC OXIDES OF CARBON AND NITROGEN,
ALDEHYDES, KETONES, ORGANIC ACIDS, POSSIBLY HYDROGEN CYANIDE &
HYDROGEN CHLORIDE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL,
STATE AND FEDERAL REGULATIONS.

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