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MATERIAL SAFETY DATA SHEET

SECTION 1. - - - - - - - - CHEMICAL IDENTIFICATION- - - - - - - - - - - CATALOG #: C5638

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VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
SECTION 7. - - - - - - HANDLING AND STORAGE- - - - -
   REFER TO SECTION 8.
SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -
   NIOSH/MSHA-APPROVED RESPIRATOR.
   RUBBER GLOVES.
   CHEMICAL SAFETY GOGGLES.
    SAFETY SHOWER AND EYE BATH.
   USE ONLY IN A CHEMICAL FUME HOOD.
   DO NOT BREATHE DUST.
   DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
   WASH THOROUGHLY AFTER HANDLING.
   WASH CONTAMINATED CLOTHING BEFORE REUSE.
   TOXIC.
   IRRITANT.
   KEEP TIGHTLY CLOSED.
   REFRIGERATE.
   HYGROSCOPIC
SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - -
 PHYSICAL PROPERTIES
   MELTING POINT:
                       150 C
SECTION 10. - - - - - - - STABILITY AND REACTIVITY - - - - - - -
 CONDITIONS TO AVOID
   PROTECT FROM MOISTURE.
 INCOMPATIBILITIES
    PROTECT FROM MOISTURE.
    STRONG OXIDIZING AGENTS
   STRONG ACIDS
   STRONG BASES
 HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
   CARBON MONOXIDE, CARBON DIOXIDE
   NITROGEN OXIDES
SECTION 11. - - - - - - TOXICOLOGICAL INFORMATION - - - - - -
 ACUTE EFFECTS
   DERMATITIS
   TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
   TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.
   MAY CAUSE CYANOSIS (BLUE-GRAY COLORING OF SKIN AND LIPS CAUSED BY) Tj ET BT /PjCourier
   MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
   RESPIRATORY TRACT.
   HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
   CAUSES EYE AND SKIN IRRITATION.
 CHRONIC EFFECTS
   CARCINOGEN.
   TARGET ORGAN(S):
   BLOOD
 RTECS #: NC4725000
   HYDROXYLAMINE, N-NITROSO-N-PHENYL-, AMMONIUM SALT
 IRRITATION DATA
   EYE-RBT 20 MG/24H MOD
                                                 85JCAE -,510,1986
 TOXICITY DATA
   ORL-RAT LD50:199 MG/KG
                                                 GTPZAB 32(3),48,1988
    IVN-MUS LD50:180 MG/KG
                                                 CSLNX* NX#04968
                                                 KODAK* 21MAY1971
   SKN-GPG LD50:>5 GM/KG
 TARGET ORGAN DATA
   BEHAVIORAL (MUSCLE WEAKNESS)
    LUNGS, THORAX OR RESPIRATION (DYSPNAE)
    SKIN AND APPENDAGES (AFTER SYSTEMIC EXPOSURE: DERMATITIS, OTHER)
    ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
    (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
   COMPLETE INFORMATION.
SECTION 12. - - - - - - ECOLOGICAL INFORMATION - - - - - - -
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SECTION 13. - - - - - - - DISPOSAL CONSIDERATIONS - - - - - - - -

DATA NOT YET AVAILABLE.

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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 ENVIRONMENTAL REGULATIONS.
SECTION 14. - - - - - - - TRANSPORT INFORMATION - - - - - -
    CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.
SECTION 15. - - - - - - REGULATORY INFORMATION - -
  EUROPEAN INFORMATION
 IN CANALIMMABECT E7IE N.0 scviceERs 0SSAYs 0 TIOOND i C------
   R 45
   MAY CAUSE CANCER.
   R 23/24/25
    TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
   R 36/37/38
    IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
    S 22
   DO NOT BREATHE DUST.
    S 45
    IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
    IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
    IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
    WATER AND SEEK MEDICAL ADVICE.
    S 36/37/39
   WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
    PROTECTION.
  REVIEWS, STANDARDS, AND REGULATIONS
    OEL=MAK
   NOHS 1974: HZD A1044; NIS 1; TNF 6; NOS 1; TNE 23
    NOES 1983: HZD A1044; NIS 1; TNF 10; NOS 1; TNE 136; TFE 39
    EPA GENETOX PROGRAM 1988, POSITIVE: CARCINOGENICITY-MOUSE/RAT
TO--EPA-TSCA SECTION 8(B) CHEMICAL INVENTORY
   NCI CARCINOGENESIS BIOASSAY (FEED); CLEAR EVIDENCE: MOUSE, RAT
 OGENINVET GUSAN. STORSO RELDRICH, ------
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