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M A T E R I A L S A F E T Y D A T A S H E E T

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

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  
SKN-GPG LD50:>5 GM/KG KODAK\* 21MAY1971

TARGET ORGAN DATA  
BEHAVIORAL (MUSCLE WEAKNESS)  
LUNGS, THORAX OR RESPIRATION (DYSPPNAE)  
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 - - - - -  
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

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 CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

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).

S 26

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 - FSCA SECTION 8(B) CHEMICAL INVENTORY

NCI CARCINOGENESIS BIOASSAY (FEED); CLEAR EVIDENCE: MOUSE, RAT

GENETOX BIOASSAY FOR RELDRI, - - - - -