

MANTECH,DIVISION OF NCH CORP. -- 0638, METAL MEDIC

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MSDS Safety Information
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FSC: 6850
NIIN: 01-416-8020
MSDS Date: 05/22/1997
MSDS Num: CJXZQ
Product ID: 0638, METAL MEDIC
MFN: 01
Responsible Party
Cage: 64796
Name: MANTECH,DIVISION OF NCH CORP.
Address: UNKNOWN
Box: 152170
City: IRVING TX 750
15
Info Phone Number: 214-438-1381
Emergency Phone Number: 972-438-1381
Resp. Party Other MSDS No.: NONE

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Item Description Information
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Item Manager: S9G
Item Name: CORROSION REMOVING COMPOUND
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: BX
Quantitative Expression: 00000000012EA
UI Container Qty: 0
Type of Container: UNKNOWN

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NOT PROVIDED
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: ACUTE: INHALATION: IRRITATION OF RESPIRATORY TRACT. SKIN:
RE

PEATED/PROLONGED CAN CAUSE IRRITATION. EYE: IRRITATION. INGESTION: GASTROINTESTINAL IRRITATION. CHRONIC:EXCESSIVE INHALATION MAY BE ANESTHETIC OR PRODUCE NARCOTIC EFFECTS.

Explanation Of Carcinogenicity: NOT PROVIDED

Signs And Symptoms Of Overexposure: INHALATION: COUGHING, SNEEZING. SKIN: ITCHING OR REDNESS, DRY SKIN. EYE: ITCHING, REDNESS, SWELLING. INGESTION: NAUSEA, VOMITING, OR DISCOMFORT.

Medical Cond Aggravated By Exposure: PREEXISTING RESPIRATORY AND SKIN CONDITIONS, SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.

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Handling and Disposal
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Spill Release Procedures: DIKE AND CONTAIN SPILL IF SAFE TO DO SO. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING.

Neutralizing Agent: ADD CAUTIOUSLY SOLUTION OF SLAKED LIME OR SODA ASH WHILE STIRRING UNTIL PH IS AT 7.

Waste Disposal

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

Handling And Storage Precautions: STORE INDOOR AT MAX TEMPERATURE 120F AND MIN OF 35F. ALWAYS STORE MATERIAL IN ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. WASH THOROUGHLY AFTER HANDLING. THIS PRODUCT MAY DISCOLOR SKIN. WEAR GLOVES WHEN HANDLING.

Other Precautions: KEEP OUT OF REACH OF CHILDREN. READ ENTIRE LABEL BEFORE USING PRODUCT.

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Fire and Explosion Hazard Information
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Flash Point Text: NON-FLAM

Extinguishing Media: "ALCOHOL" FOAM, FOAM, CO2, DRY CHEMICAL, WATER SPRAY, OTHER METHODS AS APPROPRIATE

Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISH MEDIA SHOULD BE CHOSEN BASED ON NATURE OF THE SURROUNDING FIRE.

Unusual Fire/Explosion Hazard: SPRAY EXPOSED CONTAINERS WITH WATER SPRAY TO AVOID STEAM PRODUCTION OR BURSTING.

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Control Measures
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Respiratory Protection: A RESPIRATOR IS NOT REQUIRED IN NORMAL USE OF THE PRODUCT. USE NIOSH/MSHA APPROVED RESPIRATOR FOR SPRAY MISTS.

Ventilation: GENERAL MECHANICAL VENTILATION IS NORMALLY ADEQUATE.

Protective Gloves: NEOPRENE OR RUBBER

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equ

ipment: WEAR GENERAL DUTY WORK CLOTHING AND SHOES.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. WEAR GLOVES WHEN HANDLING.

Supplemental Safety and Health: HCC DETERMINED BASED ON FACT THAT PH IS <2.

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Physical/Chemical Properties
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HCC: C2

Boiling Point: =82.2C, 180.F

Vapor Pres: <18

Vapor Density: 0.1

Spec Gravity: 1.229

PH: 1.8

Viscosity: SEMI-VISCOUS

Evaporation Rat

e & Reference: 0.1 (BUAC=1)

Solubility in Water: COMPLETE

Appearance and Odor: OFF-WHITE WITH MILD ODOR

Percent Volatiles by Volume: 62

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.

Materials To Avoid: OXIDIZERS, ALKALOIDS, PROTEINS, STARCH, ALKALIS

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXID

E, CHLORINE,

HYDROGEN CHLORIDE, CARBONYL CHLORIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT

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Toxicological Information
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Toxicological Information: TANNIC ACID: ORL-RAT LDLO: 200 MG/KG, ORL-RBT LD50:
5000 MG/KG, ORL-RAT LD50:2260 MG/KG, SCO-RAT TDLO:4450 MG/KG/17W-I:CAR.

DIPROPYLENE GLYCOL METHYL ETHER: ORL-RAT LD50: 5660 MG/KG, SKN-RA

T LD50: 950

0 MG/KG, EYE-RBT 238 MG MILD, SKN-RBT 500 MG OPEN MILD. VINYL ACRYLIC

COPOLYMER EMULSION: ORL-RAT LD50: >10 ML/KG, EYE-RBT SLIGHT IRRITATION,

SKN-RAT SLIGHT - MODERATE IRRITATION ON REPEATED APPLICATI ON. SILICON

DIOXIDE (AMORPHOUS): IPR-RAT LDLO: 400 MG/KG, IVN-RBT LDLO: 35 MG/KG

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Ecological Information
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Ecological: NOT PROVIDED
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MSDS Transport Information
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Transport Information: PER JENNY CORTEZ BY PHONE ON 1/4/2000 THE PRODUCT IS NOT REGULATED BY DOT, IMO OR IATA.
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Regulatory Information
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Sara Title III Information: PER MSDS GLYCOL ETHERS LISTED ARE SUBJECT TO REPORTING UNDER SECTION 313 OF SARA

Federal Regulatory Information: NOT PROVIDED

State Regulatory Information: NOT PROVIDED
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Other Information
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Other Information: NOT RELEVANT
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Transportation Information
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Responsible Party Cage: 64796

Trans ID NO: 150944

Product ID: 0638, METAL MEDIC

MSDS Prepared Date: 05/22/1997

Review Date: 01/04/2000

MFN: 1

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Multiple KIT Number: 0

Unit Of Issue: BX

Container QTY: 0

Type Of Container: UNKNOWN
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Detail DOT Information
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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED

ED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label
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Product ID: 0638, METAL MEDIC

Cage: 64796

Company Name: NCH CORP / MANTEK DIV

Street: 1320 E NORTHGATE DRIVE

PO Box: 152170

City: IRVING TX

Zipcode: 75015-2170

Health Emergency Phone: 972-438-1381

Label Required IND: Y

Date Of Label Review: 01/04/2000

Status Code: A

Origination

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health

th Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: MAY CAUSE SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.

CONTAINS TANNIC ACID. AVOID SKIN, EYE, CLOTHING CONTACT. WEAR NEOPRENE RUBBER

GLOVES. WEAR SAFETY GLASSES WITH SIDE SHIELDS IF EYE CONTACT IS LI KELY. WASH

THOROUGHLY AFTER HANDLING. AVOID BREATHING MIST. USE GOOD VENTILATION.

SWALLOWING CAUSES NAUSEA, VOMITING. FIRST AID: SKIN CONTACT: WASH WITH PLENTY

WATER. REMOVE CONTAMIN

ATED CLOTHES. GET MEDICAL ATTENTION. EYES: IMMEDIATELY
FLUSHE WITH WATER. REMOVE CONTACTS. HOLD EYELIDS APART TO INSURE COMPLETE
WASHING OF EYES. GET IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE
VOMITING. GIVE 3-4 GLASSES OF WATER. GET MEDICAL ATTENTION.

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