

ENTHONE-OMI, INC SUB OF ASARCO -- ENPLATE NI-415C -- 6850-01-315-1659

=====
Product Identification
=====

Product ID:ENPLATE NI-415C

MSDS Date:10/29/1990

FSC:6850

NIIN:01-315-1659

MSDS Number: BHQCD

=== Responsible Party ===

Company Name:ENTHONE-OMI, INC SUB OF ASARCO

Address:350 FRONTAGE RD

Box:1900

City:WEST HAVEN

State:CT

ZIP:06508

Country:US

Info Phone Num:203-934-8611

Emergency Phone Num:203-

934-8611 (800-424-9300)

Preparer's Name:S.A. KOCH

CAGE:FO824

=== Contractor Identification ===

Company Name:ENTHONE-OMI INC.

Box:1900

City:NEW HAVEN

State:CT

ZIP:06508

Country:US

Phone:203-934-8611/ FAX 203-799-8179

CAGE:02258

Company Name:ENTHONE-OMI, INC.

Address:350 FRONTAGE RD.

Box:1900

City:NEW HAVEN

State:CT

ZIP:06508

Phone:(203) 934-8611

CAGE:FO824

=====
Composition/Information on Ingredients
=====

Ingred Name:NICKEL SULFATE (SARA III)

CAS:7786-81-4

RTECS #:QR9350000

Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: >60%
Other REC Limits:NONE RECOMMENDED

=====
===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPOR OR MIST MAY
CAUSE RESPIRATORY IRRITATION. CONTACT M
AY CAUSE SKIN OR EYE
IRRITATION. INGESTION MAY CAUSE IRRITATION OF MUCOUS MEMBRANES OF
MOUTH, THROAT, ESOPHAGUS AND GI TRACT IRRITATION. CHRONIC:
PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN SENSITIZATION AND
CANCER OF LUNG AND/OR SINUS.
Explanation of Carcinogenicity:NICKEL AND ITS COMPOUNDS ARE LISTED AS
KNOWN CARCINOGENS BY NTP AND IARC.
Effects of Overexposure:INHALED: COUGHING, WHEEZING, SNEEZING,
SHORTNESS OF BREATH. EYES: TEARING, BURNING SENSATION, REDNESS,
D
ISCOMFORT. SKIN: REDNESS, SWELLING, BURNING SENSATION, ITCHING.
INGESTION: BURNING SENSATION IN MOUTH-THROAT-ESOPHAGUS, STOMACH
PAIN, NAUSEA, VOMITING, DIARRHEA.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.
HMIS: PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS.

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

First Aid:INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF
BREATHING STOPPED. GIVE OXYGEN IF BREATHING DIFFICULT. SEE
DOCTOR.
EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES, HOLD LIDS OPEN. SEE
DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP AND
WATER. INGESTED: DO NOT INDUCE VOMITING! GET IMMEDIATE MEDICAL
ATTENTION. IF VOMITING OCCURS, KEEP HEAD BELOW KNEES/KEEP AIRWAY
OPEN.

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY OR FOG, CARBON DIOXIDE, FOAM
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPA

RATUS AND

FULL PROTECTIVE CLOTHING. KEEP CONTAINERS COOL TO PREVENT RUPTURE AND RELEASE OF MATERIAL.

Unusual Fire/Explosion Hazard:WHEN EXPOSED TO HIGH TEMPERATURES, PRODUCT MAY RELEASE TOXIC OXIDES OF SULFUR AND NITROGEN.

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

Spill Release Procedures:WEAR PROPER PROTETCIVE CLOTHING. CONTAIN SPILL AND ABSORB WITH INERT MATERIALS,; PLACE IN A CONTAINER FOR ALTER DISPOSAL. DILUTE RESIDUAL MATERIAL WITH WATER AND NEUTRALIZE.

Neutralizing Agent:ACETIC ACID SOLUTION, 5%

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE ABOVE FREEZING TEMPERATURE. LOOSEN COVER CAUTIOUSLY WHEN OPENING.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESP IRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW PEL/TLV.

Protective Gloves:RUBBER, NEOPRENE

Eye Protection:FACE SHIELD/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:CHEMICALLY RESISTANT COVERALLS, HAT, SOES OR BOOTS. HMIS: EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER SUE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BE FORE REUSE.

Supplemental Safety and Health

DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS OR MISTS. WASH THOROUGHLY AFTER HANDLING.

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

HCC:B3

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

Melt/Freeze Pt:M.P/F.P Text:24.0F,-4.4C

Spec Gravity:1.235(WATER=1)

pH:8.3

Evaporation Rate & Reference:N/K (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:BLUE-GREEN LIQUID; SLIGHT AMMONIACAL ODOR

=====

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

Stability Indicator/Materials to Avoid: YES

STRONG MINERAL ACIDS

Stability Condition to Avoid: CONTACT WITH STRONG MINERAL ACIDS. STABLE UNDER NORMAL CONDITIONS.

Hazardous Decomposition Products: TOXIC OXIDES OF SULFUR, NITROGEN, AND CARBON.

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

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

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.