

NATIONAL ENGINEERING PRODUCTS INC -- COPALTITE -- 8030-00-261-9211

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Product Identification
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Product ID:COPALTITE

MSDS Date:04/26/1993

FSC:8030

NIIN:00-261-9211

MSDS Number: BNMMX

=== Responsible Party ===

Company Name:NATIONAL ENGINEERING PRODUCTS INC

Address:5110 RIDGEFIELD ROAD SUITE 411

City:BETHESDA

State:MD

ZIP:20816

Country:US

Info Phone Num:301-656-1688

Emergency Phone Num:202-52

6-6274

CAGE:76641

=== Contractor Identification ===

Company Name:NATIONAL ENGINEERING PRODUCTS INC

Address:5110 RIDGEFIELD RD SUITE 411

Box:City:BETHESDA

State:MD

ZIP:20816

Country:US

Phone:202-526-6274

CAGE:76641

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Composition/Information on Ingredients
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Ingred Name:PHENOLIC RESIN

Ingred Name:CRESOL; (MIXED ISOMERS)

CAS:1319-77-3

RTECS #:GO5950000

Fraction by Wt: 20%

OSHA PEL:5 PPM, S

ACGIH TLV:5 PPM, S

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL A

LCOHOL; (ETHANOL)
CAS:64-17-5
RTECS #:KQ6300000
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM

Ingred Name:FORMALDEHYDE (SARA III)
CAS:50-00-0
RTECS #:LP8925000
Fraction by Wt: 0.40%
OSHA PEL:SEE 1910.1048
ACGIH TLV:C 0.3 PPM; A2; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHANOL; (METHYL ALCOHOL)
CAS:67-56-1
RTECS #:PC1400000
Fraction by Wt: 10%
OSHA PEL:S,200PPM/250STEL
ACGIH TLV:S,200PPM/250STEL; 93
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)
CAS:108-88
-3
RTECS #:XS5250000
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:PHENOL
CAS:108-95-2
RTECS #:SJ3325000
Fraction by Wt: 2%
OSHA PEL:5 PPM, S
ACGIH TLV:5 PPM, S
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BARIUM; (BARIUM COMPOUND)
CAS:7440-39-3
RTECS #:CQ8370000
Fraction by Wt: 2.5%
OSHA PEL:0.5 MG/M3 (BA)
ACGIH TLV:0.5 MG/M3 (BA)

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

LD50 LC50 Mixture:NONE SPEC

IFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:SKIN: SEVERE IRRITATION, MARKED LOCAL REDNESS. INHAL: DIZZINESS, DROWSINESS, TINGLING AND PAINS IN HANDS AND ARMS. EYES: SEVERE IRRITATION, MARKED REDNESS AND SWELLING OF CONJUNCTIVE AND CHEMICAL BURN S OF THE CORNEA. NOTE:TOLUENE, CAS#108-88-3 APPEARS ON THE NAVY LISTING OF OCCUP REPRO HAZ. SEEK CONSULTATION

(SUPP DAT)

Explanation of Carcinogenicity:FORMALDEHYDE: GROUP 2A (IARC), GROUP 2 (NTP), OSHA REGULATED.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:ASTHMA - FROM INHALATION. DERMATITIS - FROM SKIN CONTACT.

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

First Aid:INGEST: INDUCE VOMITING, CALL MD. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES AND SEE O PTHAMOLOGIST. INHAL: REMOVE VICTIM TO FR ESH AIR.

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

Flash Point Method:SCC

Flash Point:112F,44C

Lower Limits:6.7%

Upper Limits:36%

Extinguishing Media:USE CO*2 OR DRY CHEMICALS ON SMALL FIRE. FOAM OR WATER FOG ON LARGE FIRE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:MATERIAL CAN POLYMERIZE RAPIDLY AND RUPTURE CONTAINERS.

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== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE CLOTHING AND COLLECT FOR DISPOSAL. DO NOT DISCHARGE TO WATERWAYS. DO NOT USE ON PLUMBING USING DRINKING WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT AND OPEN FLAME. STORE AT 72F OR LESS TO MAINTAIN USEFULNESS OF PRODUCT.WHEN EXPOSED TO EXTRENE HEAT SUCH

AS FIRE, THE (SUPP DATA)

Other Precautions:AVOID CONTACT WITH EYES OR SKIN. USE WITH ADEQUATE VENTILATION. DO NOT CONTAMINATE GROUND WATER.

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

Respiratory Protection:IN HIGH CONCENTRATIONS USE NIOSH/MSHA APPROVED SCBA.

Ventilation:LOCAL EXHAUST MAY BE NECESSARY FOR PROPER CONTROL OF PHENOL & FORMALDEHYDE VAPORS BELOW THEIR THRESHOLD LIMIT.

Protective Gloves:RUBBER OR PLASTIC GLOVES.

Eye Protection:CHEMICAL WORKERS GOG GLES .

Other Protective Equipment:CHEMICAL APRON, EYE BATH, SAFETY SHOWER.

Work Hygienic Practices:WASH IF CONTACT IS MADE WITH SKIN.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER. ACUTE HLTH HAZ:FORM APPROP HLTH PROFESSIONALS CONCERN LATEST HAZ LIST INFO AND SAFE HANDLING AND EXPOSURE RECOMMENDATIONS . STORAGE PREC:MATERIAL CAN REACT AND RUPTURE THE CONTAINER.

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

Boiling Pt:B.P. Text:176F,80C

Vapor

Pres:52

Vapor Density:1.1

Spec Gravity:1.135-1.165

Evaporation Rate & Reference:7 (BUAC=1)

Solubility in Water:100%

Appearance and Odor:RED/BLACK LIQUID; SLIGHT METHANOL ODOR.

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

Stability Indicator/Materials to Avoid:YES

ALKALI METALS, CONC NITRIC & SULFURIC ACIDS, ACYL HALIDES, ALDEHYDES AND HALAGENS.

Stability Condition to Avoid:KEEP AWAY FROM EXTREME HEAT DURING STORAGE AND SHIPPING.

Hazardous Decomposition Produc

ts:CO, CO*2, AND TOXIC CRESOL VAPORS.

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

Waste Disposal Methods:INCINERATE IN A FURNACE WHERE FEDERAL, STATE AND LOCAL REGULATIONS ALLOW.

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