

NATIONAL ENGINEERING PRODUCTS INC -- COPALTITE -- 8030-00-246-0931

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Product Identification
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Product ID:COPALTITE
MSDS Date:04/10/1996
FSC:8030
NIIN:00-246-0931
Status Code:A
MSDS Number: CJZSZ
=== Responsible Party ===
Company Name:NATIONAL ENGINEERING PRODUCTS INC
Address:5110 RIDGEFIELD RD SUITE 411
City:BETHESDA
State:MD
ZIP:20816
Country:US
Info Phone Num:202-526-6274
Emergency Phon
e Num:202-526-6274
CAGE:76641
=== Contractor Identification ===
Company Name:NATIONAL ENGINEERING PRODUCTS INC
Address:5110 RIDGEFIELD RD SUITE 411
Box:City:BETHESDA
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Country:US
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Composition/Information on Ingredients
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Ingred Name:FORMALDEHYDE
CAS:50-00-0
RTECS #:LP8925000
Fraction by Wt: .40%
OSHA PEL:0.75 PPM
ACGIH TLV:.9MG/M3
ACGIH STEL:2 PPM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHANOL
CAS:67-56-1

RTECS #:PC1400000
Fraction by Wt: 8.83%
OSHA PEL:200 PPM
ACGIH TLV:260MG/M3
ACGIH STEL:262MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:PHENOL
CAS:108-95-2
RTECS #:SJ3325000
Fraction by Wt: 2%
OSHA PEL:5 PPM
OSHA STEL:19MG/M3
ACGIH TLV:5 PPM
ACGIH STEL:19MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:CRESOL
CAS:1319-77-3
RTECS #:GO5950000
Fraction by Wt: 20%
OSHA PEL:5 PPM
OSHA STEL:22MG/M3
ACGIH TLV:5 PPM
ACGIH STEL:22MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 L
BS

Ingred Name:BARIUM SULFATE
CAS:7727-43-7
RTECS #:CR0600000
Fraction by Wt: 2.5%
OSHA PEL:5/10 MG/M3
ACGIH TLV:10 MG/M3

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:CRESOLS 5 PPM (OSHA PEL)
FORMALDEHYDE 0.75 PPM (OSHA PEL) METHANOL 200 (OSHA PEL)
Effects of Overexposure:SKIN: SEVERE IRRITATION, MARKED LOCAL REDNESS.
INHALATION DIZZINESS, DROWSINESS, TINGLING

AND PAINS IN HANDS AND

ARMS. EYES: SEVERE IRRITATION, MARKED REDNESS AND SWELLING OF CONJUNCTIVE AND CHEMICAL BURNS OF THE CORNEA.

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

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

First Aid: IF INGESTED INDUCE VOMITING - CALL DOCTOR. SKIN - REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. EYES: FLUSH WITH WATER FOR 15 MINUTES AND SEE OPHTHALMOLOGIST. INHALATION: REMOVE INDIVIDUAL TO FRESH AIR.

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

Flash Point Method: TOC

Flash Point: >87.8C, 190.F

190-200F

Lower Limits: 6.7

Upper Limits: 36

Extinguishing Media: USE CO2 OR DRY CHEMICALS ON SMALL FIRE. FOAM OR WATER FOG ON LARGE FIRE.

Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN A FIRE.

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

===== 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.

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

Handling and Storage Precautions: KEEP AWAY FROM HEAT AND OPEN FLAME. STORE AT 72 DEG OR LESS TO MAINTAIN USEFULNESS OF PRODUCT.

Other Precautions: AVOID CONTACT WITH EYES OR SKIN. WEAR GLOVES. WASH

IF CONTACT IS MADE WITH SKIN. USE WITH ADEQUATE VENTILATION. DO NOT CONTAMINATE GROUND WATER.

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

Respiratory Protection: IN HIGH CONCENTRATION USE SELF-CONTAINED BREATHING APPARATUS.

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

Protective Gloves: RUBBER OR PLASTIC GLOVES.

Eye Protection: MONOGOGGLES.

Other

r Protective Equipment:CHEMICAL APRON, EYE BATH, SAFETY SHOWER.
Supplemental Safety and Health

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

Boiling Pt:=760.C, 1400.F
B.P. Text:760MMHG=C
Vapor Pres:25 C 52
Vapor Density:1.1
Spec Gravity:20/20C 1/135-1.165
Evaporation Rate & Reference:(BUTYL ACETATE = 1)
Solubility in Water:100%
Appearance and Odor:RED/BLACK - SLIGHT METHANOL ORDOR

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

Stability Ind
icator/Materials to Avoid:YES
ALKALI METALS ,CONC. NITRIC AND SULFURIC ACIDS, ACYL HALIDES,
ALDEHYDES AND HALOGENS.
Stability Condition to Avoid:KEEP AWAY FROM EXTREME HEAT DURING STORAGE
AND SHIPPING.
Hazardous Decomposition Products:CO, CO2, AND TOXIC CRESOL VAPORS.

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

Waste Disposal Methods:RECOVER FREE LIQUID. ABSORB RESIDUE AND DISPOSE
OF ACCORDING TO LOCAL, STATE/PROVINCIAL, AND FEDERAL REQUIREMENTS.

===== Other Information =====

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