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NILES CHEMICAL PAINT CO -- N5222 ORANGE A/D ENAMEL, 12197 -- 8010-00-527-3200

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

Product ID:N5222 ORANGE A/D ENAMEL, 12197
MSDS Date:12/20/1995
FSC:8010
NIIN:00-527-3200
MSDS Number: BZSVR
=== Responsible Party ===
Company Name:NILES CHEMICAL PAINT CO
Address:225 FORT ST
Box:307
City:NILES
State:MI
ZIP:49120
Country:US
Info Phone Num:616-683-3377 OR 219-236-5856
Em
ergency Phone Num:616-683-3377 OR 219-236-5856
Preparer's Name:MIKE LICHATOWICH
CAGE:02388
=== Contractor Identification ===
Company Name:NILES CHEMICAL PAINT
Address:225 FORT STREET
Box:307
City:NILES
State:MI
ZIP:49120
Country:US
Phone:616-683-3377/219-236-5856
CAGE:02388

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

Ingred Name:ALKYD RESIN SOLUTION
CAS:68459-31-4
Fraction by Wt: 43.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM
ACGIH TLV:150 PPM/STEL 200 PPM

Ing

red Name:BUTYL ACETATE (VAPOR PRESSURE 10 MM HG @ 20C)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 31.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:150 PPM/STEL 200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BARIUM SULFATE (SARA 313)
CAS:7727-43-7
RTECS #:CR0600000
Fraction by Wt: 9.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:ORGANOPHYLIC CLAY
CAS:71011-25-1
Fraction by Wt: < 1%
Other REC Limits:NONE SPECIFIED

Ingred Nam
e:COBALT COMPOUNDS (AS CO)
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: < 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:2.0 MG/M3;DUST 9293

Ingred Name:PROPIETARY INGREDIENTS
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED

Ingred Name:VOC: 3.07 LB/GAL
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

Ingred Name:YELLOW PIGMENT
Fraction by Wt: 2.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:N0T EST
ACGIH TLV:NOT EST

========== Hazards Identificat

ion ==========

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES: SEVERE IRRITATION, LACRIMATION, REDNESS, BLURRED VISION. SKIN: REDNESS, IRRITATION. DEFATTING OF SKIN LEADING TO DERMATITIS. INHALE: NASAL & RESP IRRITATION, CNS DEPRESSION. DIZZINESS, DR OWSINESS, WEAKNESS, FATIGUE, CONFUSION.NAUSEA, HEADACHE, VERTIGO, UNCONSCIOUSNESS, ASPHYXIATION. CHRONIC DERM
ATITIS.*
Explanation of Carcinogenicity:NA
Effects of Overexposure:*INGESTION: GASTROINTESTINAL IRRITATION, ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA. TARGET ORGANS: LIVER, KIDNEYS, EYES, SKIN, RESPIRATORY SYSTEM, NUISANCE DUST, CNS. CHRONIC EFFECTS OVEREXPOSURE: DE RMATITIS, INCOHERENCE, CORNEAL VACUOLIZATION, ANOREXIA.
Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:INHAL: GET FRESH AIR. RESTORE BR
EATHING. GET MED AID IMMED.
SKIN: IMMED FLUSH SKIN W/WATER. IF MATERIAL PENETRATES CLOTHING REMOVE & WASH BEFORE REUSE. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH E YES WITH LOTS WATER > 15 MINS, LIFTING EYELIDS OCCASIONALLY. GET MED AID IMMED. INGEST: DRINK 1-2 GLASSES WATER. DON'T INDUCE VOMITING. SEE DR/POINSON CONTROL CTR IMMEDIATELY. TREAT SYMPTOMATICALLY.

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

Flash Point Method:TCC
Flash Point:2.
0F,22.2C
Lower Limits:0.8
Upper Limits:7.6
Extinguishing Media:DRY CHEMICAL, FOAM, CO2.
Fire Fighting Procedures:WEAR SCBA W/FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE. WATER USED TO COOL CLSD CNTNRS TO PREVENT BUILDUP & POSSIBLE AUTO IGNITION OR EXPLO EXPOS TO HEAT
Unusual Fire/Explosion Hazard:KEEP CNTNRS TIGHTLY CLSD. VAPORS > AIR TRAVEL ALONG GRND TO AN IGNITION SOURCE. ISOLATE FM ALL HEAT TYPES. CLSD CNTNRS MAY EXPLODE EXPOSED TO EXTREME HEAT.

========== Acc

idental Release Measures ==========

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. DON'T BREATHE VAPORS. AVOID SKIN CONTACT. ABSORB WITH INERT MATERIAL. SHOVEL RECLAIMED INTO DRUMS FOR DISPOSAL. DIKE TO PREVENT FURTHER MOVEMENT & RECLAIM INTO RECOVERY OR SALVAGE DRUMS OR TANK TRUCK FOR DISPOSAL.

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

Handling and Storage Precautions:AVOID STORAGE IN HIGH TEMPERATURE AREAS OR NEAR FIRE OR OPE
N FLAME. KEEP CONTAINERS CLOSED WHEN NOT IN USE. AVOID ROUGH HANDLING.
Other Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY. DO NOT WELD OR FLAME CUT ON EMPTY DRUMS.

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

Respiratory Protection:WEAR AN APPROPRIATE (TYPE TC-23C-75) PROPERLY FITTED HALF-MASK OF FULL FACEPIECE RESPIRATOR (NIOSH/MSHA) DURING & AFTER APPLICATION UNLESS AIR MONITORING KEEPS VAPOR/MIST BELOW APPLICABLE LEVELS. FOLL
OW RESPIRATOR MANUFACTURER'S DIRECTIONS.
Ventilation:SUFFICIENT VENT IN VOLUME/PATTERN TO KEEP AIR CONCENTRATION BELOW ACGIH'S TLV LIMIT.
Protective Gloves:CHEMICAL RESISTANT, NITRILE, VITON
Eye Protection:CHEMICAL/SAFETY GLASSES, FACE SHIELD
Other Protective Equipment:CLOTHING AS NEEDED TO PREVENT SKIN CONTACT
Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING, USING RESTROOMS. REMOVE/WASH CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
DON'T WEAR CONTACT LENS
ES WHEN WORKING WITH THIS MATERIAL.

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

HCC:F2
Boiling Pt:B.P. Text:212 TO 398F
Decomp Temp:Decomp Text:NE
Vapor Density:> AIR
Spec Gravity:1.115
pH:NA
Viscosity:70-75 KU
Evaporation Rate & Reference:< ETHER
Solubility in Water:YES
Appearance and Odor:LIQUID, ODOR OF SOLVENTS
Percent Volatiles by Volume:41.93
Corrosion Rate:MINIMAL

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

Stability Indicator/Mater

ials to Avoid:YES
STRONG OXIDIZERS, NITRATES, ALKALIES, ACIDS.
Stability Condition to Avoid:HIGH TEMPERATURES, SHOCK FROM DROPPING.
Hazardous Decomposition Products:CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE.

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

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

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