

NILES CHEMICAL PAINT -- N5219 RED A/D EMANEL -- 8010-00-527-3198

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

Product ID:N5219 RED A/D EMANEL

MSDS Date:10/23/1997

FSC:8010

NIIN:00-527-3198

Status Code:A

MSDS Number: CKHWV

=== Responsible Party ===

Company Name:NILES CHEMICAL PAINT

Address:225 FORT ST

Box:307

City:NILES

State:MI

ZIP:49120

Country:US

Info Phone Num:616-683-3377

Emergency Phone Num:2192365856

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:ALCALOID RESIN SOLLUTION

RTECS #:AR1000239

= Wt:52.

OSHA PEL:100PPM

ACGIH TLV:150

ACGIH STEL:150

Ingred Name:BUTYL ACETATE

CAS:123-86-4

RTECS #:AF7350000

= Wt:29.

Other REC Limits:VP=10MM@

20C
OSHA PEL:150
ACGIH TLV:150
ACGIH STEL:200
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BARIUM SULFATE
CAS:7727-43-7
RTECS #:CR0600000
= Wt:4.

Ingred Name:ORGANOPHILIC CLAY
RTECS #:OC1001130
< Wt:1.

Ingred Name:COBALT COMPOUNDS (AS CO)
CAS:7440-48-4
RTECS #:GF8750000
< Wt:1.
OSHA PEL:0.1 MG/M3
ACGIH TLV:4MG/M3

Ingred Name:PROPRIETARY = BALANCE (MANUFACTURER STATES UNIDENTIFIED
INGREDIENTS ARE NOT CLASSIFIED AS HAZARDOUS UNDER THE HAZARD CLASS
COMMUNICATIONS ACT).
RTE
CS #:TS1003232
Fraction by Wt: NA

Ingred Name:ACRYLIC RESIN
CAS:29354-73-2
= Wt:2.

Ingred Name:TOLUENE
CAS:108-88-3
RTECS #:XS5250000
= Wt:2.
Other REC Limits:VP=22MM@20C.
OSHA PEL:100
ACGIH TLV:100
ACGIH STEL:100
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:RED PIGMENT
RTECS #:RE1009220
= Wt:2.

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

Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:YES
Health Hazards Acute and Chronic:EFFECTS OF OVEREXPOSURE, A

CUTE: EYES:

SEVERE IRRITATION, LACRIMATION, REDNESS, BLURRED VISION. SKIN:
REDNESS AND IRRITATION DEFATTING OF THE SHIN LEADING TO DERMATITIS.
BREATHING: NASAL AND RESPIRATORY IRRITATION, CNS DEPRESSION
(DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, CONFUSION, NAUSEA, HEADACHE,
VERTIGO, POSSIBLE UNCONSCIOUSNESS, EVEN ASPHYXIATION. SWALLOWING
GASTROINTESTINAL IRRITATION, ABDOMINAL PAIN, NAUSEA, VOMITING,
DIARRHEA. CHRONIC: DERMATITIS, NONE KNOWN, LUNGS, BLOOD, PROLONGED
EXP

EXPOSURE TO SOLVENT MAY CAUSE CHRONIC HEALTH EFFECTS, EUPHORIA
NERVOUSNESS, INSOMNIA, PARATHESIA, PHOTOPHOBIA.

Explanation of Carcinogenicity: NONE.

Medical Condition Aggravated by Exposure: LIVER, KIDNEYS, EYES, SKIN
RESPIRATORY SYSTEM, NONE KNOWN, LUNGS, BLOOD, CNS.

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

First Aid: INHALATION; MOVE VICTIM TO FRESH AIR AT ONCE. IF BREATHING
HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION
AS SOON AS POSSIBLE. SKIN

WASH WITH SOAP AND WATER. EYES:

IMMEDIATELY FLUSH EYES WITH A LARGE AMOUNT OF WATER FOR AT LEAST
15 MINUTES, OCCASIONALLY LIFTING UPPER AND LOWER LIDS: GET MEDICAL
ATTENTION IMMEDIATELY. CONTACT LENSES SHOULD NOT BE WORN WHEN
WORKING WITH THIS MATERIAL. SWALLOWING: DRINK ONE OR TWO GLASSES
OF WATER. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON
CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

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

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Flash Point Method: TCC

Flash Point: -22.2°C, 72°F

72°F

Lower Limits: 0.8

Upper Limits: 7.6

Extinguishing Media: DRY CHEMICAL, FOAM, SO_2

Fire Fighting Procedures: WEAR SCBA, WITH A FULL FACE PIECE OPERATED IN
POSITIVE PRESSURE MODE AND FULL PROTECTIVE CLOTHING. WATER MAY BE
USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND
POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

Unusual Fire/Explosion Hazard: CLOSED CONTAINERS MAY EXPLODE WHEN
EXPOSED TO EXTREME

HEAT. APPLICATION TO HOT SURFACES REQUIRES

SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO
DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY
NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

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

Spill Release Procedures: SMALL SPILLS: ELIMINATE ALL IGNITION SOURCES,
MINIMIZE THE BREATHING OF VAPORS, AND SKIN CONTACT. ABSORB WITH AN
INERT MATERIAL SUCH AS CLAY SOIL OR A COMMERCIALLY AVAILABLE

ABSORBENT. SHOVEL RECLAIMED LIQUID INTO RECOVERY OR SALVAGE DRUMS
FOR DISPOSAL. LARGE SPILLS: ELIMINATE ALL IGNITION SOURCES,
MINIMIZE THE BREATHING OF VAPORS AND AVOID SKIN CONTACT. DIKE TO
PREVENT FURTHER

Neutralizing Agent: THERMAL MOVEMENT AND 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 OPEN 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. SHOCK FROM DROPPING
MAY SPLIT CONTAINER.

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

Respiratory Protection: WEAR AN APPROPRIATE (TYPE TC-23C-75) PROPERLY
FITTED HALF MASK OR FULL FACEPIECE RESPIRATOR (NIOSH/MSRIA) DURING
AND AFTER APPLICATION UNLESS AIR MONITORING DEMONSTRATES VAPOR/MIST
LEVELS ARE BELOW APPLICABLE LIMITS. FOLLOW RESPIRATOR
MANUFACTURER'S DIRECTIONS FOR USE.

Ventilation: SUFFICIENT VENTILATION IN VOLUME AND PATTERN SHOULD BE
PROVIDED TO KEEP THE AIR CONCENTRATION BELOW CURRENT APPLICABLE
OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH'

Protective Gloves: WEAR CHEMICAL RESISTANT (NITRILE OR VITON) GLOVES AND
CLOTHING.

Eye Protection: CHEMICAL GOGGLES, SAFETY GLASSES OR FACE SHIELDS.

Work Hygienic Practices: EMPLOYEES SHOULD

WOULD WAHS PROMPTLY WHEN SKIN
BECOMES CONTAMINATED. REMOVE ANY CLOTHING THAT BECOMES WET, TO
AVOID FLAMABILITY HAZARD AND WAHS BEFORE REUSE. WASH HANDS BEFORE
EATING SMOKING OR USING RESTROOM
Supplemental Safety and Health
LIMIT. REMOVE DECP, [PSOTOPM [RPDICTS FPR, ED DIROMG WE; DOMG PR F; A, E
CITOMG PF SURFACES COATED WOTJ TJOS [RPDICT. FLR BAKING
FINISHES--VENT VAPORS EMITTED ON HEATING.

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

Boiling Pt: >100.C, 2
12.F
B.P. Text: 212-398F
Vapor Density: >AIR
Spec Gravity: 1.061
VOC Grams/Liter: 2.99
Viscosity: 70-75KU
Evaporation Rate & Reference: