

SHERWIN-WILLAMS CO. -- MIL-P-23377G, TYPE I, CLASS C,2.8 VOC CHROMATED EPOXY PART A --
8010-01-416-6556

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

Product ID:MIL-P-23377G, TYPE I, CLASS C,2.8 VOC CHROMATED EPOXY PART A

MSDS Date:08/01/2000

FSC:8010

NIIN:01-416-6556

Status Code:A

MSDS Number: CLMXZ

=== Responsible Party ===

Company Name:SHERWIN-WILLAMS CO.

Address:630 E. 13TH ST.

City:ANDOVER

State:KS

ZIP

:67002

Country:US

Info Phone Num:216-566-2902

Emergency Phone Num:216-566-2917

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:UO621

=== Contractor Identification ===

Company Name:SHERWIN-WILLAMS CO.

Address:630 E. 13TH ST.

Box:City:ANDOVER

State:KS

ZIP:67002

Country:US

Phone:216-566-2902

CAGE:UO621

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

Ingred Name:1-BUTANOL

CAS:71-36-3

RTECS #:EO1400000

= Wt:4.

OSHA PEL:300 MG/M3;100 PPM

ACGIH STEL:C152 MG/M3

;C50 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ACETONE
CAS:67-64-1
RTECS #:AL3150000
= Wt:15.
OSHA PEL:2400 MG/M3;1000 PPM
ACGIH TLV:1780 MG/M3;750 PPM
ACGIH STEL:2380 MG/M3;1000 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL N-AMYL KETONE
CAS:110-43-0
RTECS #:MJ5075000
= Wt:10.
OSHA PEL:465 MG/M3;100 PPM
ACGIH TLV:233 MG/M3;50 PPM

Ingred Name:AMIDOAXINO POLYMER
= Wt:1.

Ingred Name:POLYAMIDE
= Wt:6.

Ingred Name:AMORPHOUS PRECIPITATED SILICA
CAS:112926-00-8
Code:F
RTECS #:VV7315000
= Wt:4.
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:10 MG/M3

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
= Wt:8.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:STRONTIUM CHROMATE
CAS:7789-06-2
RTECS #:GB3240000
= Wt:43.
OSHA PEL:SEE TABLE Z-2
ACGIH TLV:0.0005 MG/M3
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CHROMIUM
= Wt:10.97

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

Health Hazards Acute and Chronic:EXPOSURE MAY BE BY INHA

LATION AND/OR

SKIN OR EYE CONTACT, DEPENDING ON CONDITIONS OF USE. TO MINIMIZE EXPOSURE, FOLLOW RECOMMENDATIONS FOR PROPER USE, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT.

Effects of Overexposure: IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH. HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MIST.

TS. REDNESS AND ITCHING OR

BURNING SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOSURE.

Medical Condition Aggravated by Exposure: MAY CAUSE ALLERGIC SKIN REACTION IN SUSCEPTIBLE PERSONS.

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

First Aid: IF INHALED: IF AFFECTED, REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. IF ON SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. IF IN EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. IF SWALLOWED: GET MEDICAL ATTENTION.

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

Flash Point Method: PMCC

Flash Point: -5.4C, 22.F

Lower Limits: 1.1%

Upper Limits: 12.8%

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures: FULL PROTECTIVE EQUIPMENT INCLUDING

SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS

USED, FOG NOZZLES ARE PREFERABLE.

WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

Unusual Fire/Explosion Hazard: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DE

COMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

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

Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT.

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

Handling and Storage Precautions: CONTENTS ARE FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. DURING USE AND UNTIL ALL VAPORS ARE GONE. KEEP AREA VENTILATED DO NOT SMOKE KEEP CONTAINER CLOSED

WHEN NOT IN USE . TRANSFER ONLY TO APPROVED CONTAINERS WITH COMPLETE AND APPROPRIATE LABELING. KEEP OUT OF THE REACH OF CHILDREN.

Other Precautions: THIS PRODUCT MUST BE MIXED WITH OTHER COMPONENTS BEFORE USE. BEFORE OPENING THE PACKAGES, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL.

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

Respiratory Protection:

IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/ PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS. WHEN SANDING, WIREBRUSHING, ABRADING, BURNING OR WELDING THE DRIED FILM, WEAR A PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST NON-VOLATILE

Ventilation: LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO MATERIALS IN SECTION I IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS.

Protective Gloves: WEAR GLOVES WHICH ARE RECOMMENDED BY GLOVE SUPPLIER FOR PROTECTION

Eye Protection: WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDESHIELDS.

Other Protective Equipment: USE OF BARRIER CREAM ON EXPOSED SKIN IS RECOMMENDED.

Supplemental Safety and Health

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

Boiling Pt: =153.3C, 308.F

Vapor Density: HEAVIER

Spec Gravity: 1.53

VOC Pounds/Gallon: 243

VOC Grams/Liter

r:2.03

Evaporation Rate & Reference: SLOWER THAN ETHER

Percent Volatiles by Volume: 58%

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

Stability Indicator/Materials to Avoid: YES

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE,
OXIDES OF METALS IN SECTION 11.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE,
AND LOCAL REGULATIONS REGARDING POLLUTION. WASTE MUST BE TESTED FOR
IGNITABILITY AND EXTRACTABILITY TO DETERMINE APPLICABLE U.S. EPA
HAZARDOUS WASTE NUMBER S. INCINERATE IN AN APPROVED FACILITY. DO
NOT INCINERATE CLOSED CONTAINER.

===== Regulatory Information =====

State Regulatory Information: CALIFORNIA PROPOSITION 65: WARNING: THIS
PRODUCT
CONTAINS CHEMICALS KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR
OTHER REPRODUCTIVE HARM.

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