

SHERWIN-WILLIAMS CO THE -- MIL-P-24441B/35 (SH) TYPE IV PAINT, EPOXY POLYAMIDE, RED, FO  
-- 8010-01-380-2383

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

Product ID:MIL-P-24441B/35 (SH) TYPE IV PAINT, EPOXY POLYAMIDE, RED, FO

MSDS Date:01/22/2001

FSC:8010

NIIN:01-380-2383

Status Code:A

MSDS Number: CLPHJ

=== Responsible Party ===

Company Name:SHERWIN-WILLIAMS CO THE

Address:101 PROSPECT AVE NW

City:CLEVEL

AND

State:OH

ZIP:44115-1042

Country:US

Info Phone Num:216-566-2902/216-566-2917

Emergency Phone Num:216-566-2917

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:54636

=== Contractor Identification ===

Company Name:SHERWIN-WILLIAMS CO THE

Address:101 PROSPECT AVE NW

Box:City:CLEVELAND

State:OH

ZIP:44115-1042

Country:US

Phone:800-251-2486/216-566-2242

CAGE:54636

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

Ingred Name:1-BUTANOL

CAS:71-36-3

RTECS #:EO14

00000  
= Wt:20.  
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:PHENYLMETHANOL  
CAS:100-51-6  
RTECS #:DN3150000  
= Wt:8.

Ingred Name:POLYAMINE  
= Wt:22.

Ingred Name:TALC  
CAS:14807-96-6  
RTECS #:WW2710000  
= Wt:18.  
OSHA PEL:SEE TABLE Z-3  
ACGIH TLV:2 MG/M3

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

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

Health  
Hazards Acute and Chronic:EXPOSURE MAY BE BY INHALATION AND/OR  
SKIN OR EYE CONTACT, DEPENDING ON CONDITIONS OF USE. ALCOHOLS AND  
ACETATES CAN BEE ABSORBED THROUGH THE SKIN. FOLLOW RECOMMENDATIONS  
FOR PROPER USE, VENTILATION, A ND PRESONAL PROTECTIVE EQUIPMENT TO  
MINIMIZE EXPOSURE. PROLONGED EXPOSURE MAY CAUSE ADVERSE EFFECTS TO  
THE LIVER, URINARY AND NERVOUS SYSTEMS, PERMANENT BRAIN DAMAGE,  
PERMANENT NERVOUS SYSTEM DAMAGE.  
Effects of Overexposure:IRRITATION OF EYES, SKIN

AND RESPIRATORY

SYSTEM. PROLONGED CONTACT MAY CAUSE SKIN BURNS. MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH. HEAD ACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS. REDNESS AND ITCHING OR BURNING SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOSURE.

Medical Cond Aggravated by Exposure: MAY CAUSE ALLERGIC SKIN REACTION SUSCEPTIBLE PERSONS OR SKIN SENSITIZATION.

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

First Aid: IF INHALED: 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 RE-USE. IF IN EYES : FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. IF SWALLOWED: GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method: PMCC

Flash Point: =37.2C, 99.F

Lower Limits: 1.4%

Upper Limits: 11.2%

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 DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

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

Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION. VENTILATE

LATE AND  
REMOVE WITH INERT ABSORBENT.

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

Handling and Storage Precautions:TRANSFER ONLY TO APPROVED CONTAINERS WITH COMPLETE AND APPROPRIATE LABELING. CONTENTS ARE FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. DURING USE AND UNTIL ALL VAPORS GONE: KEEP AREA VENTILATED, DO NOT SMOKE, EXTINGUISH ALL FLAMES, PILOT LIGHTS, HEATERS. TURN OFF STOVES, ELECTRIC TOOLS.  
Other Precautions:READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.  
TRANSFER ONLY TO APPROVED CONTAINERS. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:IF PERSONAL EXPOSURE CAN NOT BE CONTROLLED BELOW TLV, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II. WHEN SANDING OR ABRADING THE DRIED FILM, WEAR A DUST/MIST RESPIRATOR APPROVED BY NIOSH/MSHA FOR DUST WHICH MAY BE GENERATED FROM THIS PRODUCT, UNDERLYING PAINT, OR THE ABRASIVE.  
Ventilation:LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO MATERIALS IN SECTION II IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS.  
Protective Gloves:WEAR GLOVES WHICH ARE RECOMMENDED.  
Eye Protection:WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDESHIELDS.  
Other Protective Equipment:USE BARRIER CREAM ON EXPOSED SKIN.  
Work Hygienic Practices:USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR AND SPRAY MIST. DO NOT GET IN EYES OR ON SKIN. WASH HANDS AFTER USING. COATING MAY CONTAIN MATERIALS CLASSIFIED AS NUISANCE PARTICULATES.  
Supplemental Safety and Health

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

Boiling Pt:207.2C, 405.F  
B.P. Text:243-405 F  
Vapor Density:HEAVIER  
Spec Gravity:1.46  
VOC Pounds/Gallon:417  
VOC Grams/Liter:3.48  
Evaporation Rate & Reference:SLOWER THAN ETHER  
Percent Volatiles by Volume:48%

=

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

Stability Indicator/Materials to Avoid: YES

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE.

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 TO DETERMINE THE APPLICABLE EPA HAZARDOUS WASTE NUMBERS. INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING POLLUTION.

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

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.