

GLIDDEN PAINT  
WHITE

-- 224F3501 DEVRAN 224 HS HIGH BUILD EPOXY

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MSDS Safety Information  
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FSC: 8010  
MSDS Date: 07/10/1997  
MSDS Num: CJLJL  
LIIN: 00N017924  
Product ID: 224F3501 DEVRAN 224 HS HIGH BUILD EPOXY WHITE  
MFN: 04  
Responsible Party  
Cage: 01PD6  
Name: GLIDDEN PAINT  
Address: 925 EUCLID AVENUE  
City: CLEVELAND OH 44115  
Info Phone Number: 800-545-2643  
Emergency Phone Number: 800-545-2643  
Review Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 1HK86  
Name: DEVOE COATINGS CO  
Address: 4000 DUPONT CIRCLE  
Box: 7600  
City: LOUISVILLE KY 40207-4802  
Phone: 502-897-9861  
Cage: 01PD6  
Name: GLIDDEN PAINT, ICI PAINTS  
Address: 925 EUCLID AVE  
City: CLEVELAND OH 44115  
Phone: 800-545-2643/216-344-8207

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Ingredients  
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Cas: 25068-38-6  
RTECS #: CE6880000  
Name: BISPENOL A EPOXY RESIN; (BISPENOL A DIGLYCIDYL ETHER POLYMER)  
% low Wt: 30.  
% high Wt: 40.  
Other REC Limits: N/K (FP N)  
OSHA PEL: N/K (FP N)  
OSHA STEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)  
ACGIH STEL: N/K (FP N)

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Cas: 14808-60-7  
RTECS #: VV7330000  
Name: SILICA, CRYSTALLINE-QUARTZ %: 10-20 AND 0.1-1.0.  
% low Wt: .1  
% high Wt: 20.  
Other REC Limits: N/K (FP N)  
OSHA PEL: see Table Z-3  
OSHA STEL: N/K (FP N)  
ACGIH TLV: 0.1 MG/M3

ACGIH STEL: N/K (FP N)

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Cas: 64742-95-6

RTECS #: WF3400000

Name: SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC; (LIGHT AROMATIC SOLVENT  
NAPHTHA (PETROLEUM))

% low Wt: 5.

% high Wt: 10.

Other REC Limits: N/K (FP N)

OSHA PEL: N/K (FP N)

OSHA STEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

ACGIH STEL: N/K (FP N)

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Cas: 13463-67-7

RTECS #: XR2275000

Name: TITANIUM DIOXIDE

% low Wt: 10.

% high Wt: 20.

Other REC Limits: N/K (FP N)

OSHA PEL: 15 MG/M3

OSHA STEL: N/K (FP N)

ACGIH TLV: 10 MG/M3

ACGIH STEL: N/K (FP N)

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Cas: 7631-86-9

Name: SILICA; (AMORPHOUS SILICA)

% low Wt: 1.

% high Wt: 5.

Other REC Limits: N/K (FP N)

OSHA PEL: 6 MG/M3

OSHA STEL: N/K (FP N)

ACGIH TLV: 10 MG/M3

ACGIH STEL: N/K (FP N)

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Cas: 12135-86-3

Name: ANTIGORITE

% low Wt: 1.

% high Wt: 5.

Other REC Limits: N/K (FP N)

OSHA PEL: N/K (FP N)

OSHA STEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

ACGIH STEL: N/K (FP N)

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Cas: 17068-78-9

RTECS #: CA8430000

Name: ANTHOPHYLLITE; (ANTHOPHYLLITE, NONASBESTIFORM)

% low Wt: .1

% high Wt: 1.

Other REC Limits: N/K (FP N)

OSHA PEL: N/K (FP N)

OSHA STEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

ACGIH STEL: N/K (FP N)

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Cas: 14807-96-6

RTECS #: WW2710000  
Name: TALC (POWDER), CONTAINING NO ASBESTOS FIBERS  
% low Wt: 1.  
% high Wt: 5.  
Other REC Limits: N/K (FP N)  
OSHA PEL: see Table Z-3  
OSHA STEL: N/K (FP N)  
ACGIH TLV: 2 MG/M3  
ACGIH STEL: N/K (FP N)

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Cas: 25551-13-7  
RTECS #: DC3220000  
Name: TRIMETHYL BENZENE  
% low Wt: 1.  
% high Wt: 5.  
Other REC Limits: N/K (FP N)  
OSHA PEL: 125 MG/M3  
OSHA STEL: N/K (FP N)  
ACGIH TLV: 123 MG/M3;25 PPM  
ACGIH STEL: N/K (FP N)

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Cas: 95-63-6  
RTECS #: DC3325000  
Name: PSEUDOCUMENE; (BENZENE, 1,2,4-TRIMETHYL-)  
% low Wt: 1.  
% high Wt: 5.  
Other REC Limits: N/K (FP N)  
OSHA PEL: N/K (FP N)  
OSHA STEL: N/K (FP N)  
ACGIH TLV: 25 PPM  
ACGIH STEL: N/K (FP N)

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Cas: 108-67-8  
RTECS #: OX6825000  
Name: MESITYLENE; (1,3,5-TRIMETHYLBENZENE)  
% low Wt: 1.  
% high Wt: 5.  
Other REC Limits: N/K (FP N)  
OSHA PEL: N/K (FP N)  
OSHA STEL: N/K (FP N)  
ACGIH TLV: 25 PPM  
ACGIH STEL: 35 PPM

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Cas: 14567-73-8  
RTECS #: XX2200000  
Name: TREMOLITE; (TREMOLITE, NONASBESTIFORM)  
% low Wt: 5.  
% high Wt: 10.  
Other REC Limits: N/K (FP N)  
OSHA PEL: N/K (FP N)  
OSHA STEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)  
ACGIH STEL: N/K (FP N)

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Cas: 1330-20-7  
RTECS #: ZE2100000  
Name: BENZENE, DIMETHYL-; (XYLENE, MIXED ISOMERS)

% low Wt: 1.  
% high Wt: 5.  
Other REC Limits: N/K (FP N)  
OSHA PEL: 100 PPM  
OSHA STEL: N/K (FP N)  
ACGIH TLV: 434 MG/M3;100 PPM  
ACGIH STEL: 651 MG/M3;150 PPM  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS

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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: NO

Effects of Exposure: ACUTE: INHAL: IRRIT OF RESP TRACT. PRLNG INHAL MAY LEAD TO MUC MEMB IRRIT, FATG, DROW, DIZZ &/OR LT HEAD, HDCH, NAUS, VOMIT, DIARR, COUGHING, DFCLTY W/SPEECH, CNS DEPRESS, METALLIC TASTE, ANESTH EFT/NARCOS, DFCLTY OF BRTHG, FEVER & CHILLS, DEHYDRATION, TREMORS, SEV LUNG IRRIT/DMG, LIVER DMG, KIDNEY DMG, SPLEEN DMG, PULM EDEMA, PNEUMOCONIOSIS, LOSS OF CONSCIOUSNESS, ASPHY, DEATH. POSS SENSIT TO RESP TRACT. SKIN: IRRIT. PRLNG/RPTD CONT CAN CAUSE DERM, DEFAT, BLISTERING, SEV IRRIT, SEV IRRIT/BURNS. POSS SENSIT TO SKIN. CONT MAY RSLT IN DERMAL ABSORPTION WHICH MAY CAUSE CNS DEPRESS, LIVER DMG, KIDNEY DMG. (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: SILICA, CRYSTALLINE-QUARTZ: IARC MONOGRAPHS, SUPPLEMENT, VOLUME 68, 1998: GROUP 1. NTP 8TH ANNUAL REPORT ON CARCINOGENS, 1998: REASONABLY ANTICIPATED TO BE HUMAN CARCINOGEN. HUMAN: LUNG.

Signs And Symptions Of Overexposure: HLTH HAZ: EYES: IRRIT. PRLNG/RPTD CONT CAN CAUSE CONJ, BLURRED VISION, TEARING, REDNESS, SEV IRRIT, SEV IRRIT/BURNS, BLINDNESS. INGEST: MAY CAUSE LUNG INFLAMM & DMG DUE TO ASPIR OF MATL INTO LUNGS, MOUTH & THROAT IRRIT, MUC MEMB IRRIT, HDCH, NAUS, VOMIT, DIARR, GI DISTURBS, ABDOM PAIN, CNS DEPRESS, ANESTH EFT/NARCOS, BURNS OF MOUTH, THROAT, STOM, REPRO SYS DMG, CONVLS, UNCONSCIOUSNESS, PARAL. CONTAINS CHEM MOD TOX BY INGEST. CONTAINS CHEM TOX BY INGEST. OTHER EFTS OF OVEREXP MAY INCL TOX TO LIVER, KIDNEY. MAY BE ABSORBED THRU SKIN. NOTICE: RPTS HAVE ASSOC RPTD & PRLNG OCCUP OVEREXP TO SOLVS W/PERM BRAIN & NERV SYS DMG. (SUP DAT)

Medical Cond Aggravated By Exposure: EYE, SKIN, RESPIRATORY DISORDERS, LUNG DISORDERS, ASTHMA-LIKE CONDITIONS, KIDNEY DISORDERS, LIVER DISORDERS.

First Aid: INHAL: REMOVE TO FRESH AIR. RESTORE & SUPPORT CONTINUED BRTHG. GET EMER MED ATTN. HAVE TRAINED PERS GIVE OXYGEN IF NEC. GET MED HELP FOR ANY BRTHG DFCLTY. REMOVE TO FRESH AIR IF INHAL CAUSES EYE WATERING, HDCH, DIZZ/OTHER DISCOMFORT. SKIN: FLUSH FROM SKIN W/WATER. THEN WASH THORO W/SOAP & WATER. REMOVE CONTAM CLTHG & WASH BEFORE REUSE. DISPOSE OF CONTAM LEATHER ITEMS, SUCH AS SHOES & BELTS. IF IRRIT OCCURS, CONSULT MD. EYES: FLUSH IMMED W/LG AMTS OF WATER, ESP UNDER LIDS, FOR AT LEAST 15 MINS. IF IRRIT/OTHER EFTS PERSIST, OBTAIN MED TREATMENT. INGEST: IF SWALLOWED, OBTAIN MED TREATMENT IMMED.

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Handling and Disposal  
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Spill Release Procedures: COMPLY W/ALL APPLIC HLTH & ENVIRON REGS. ELIM ALL SOURCES OF IGNIT. VENT AREA. SPILLS MAY BE COLLECTED W/ABSORB MATLS. EVACUATE ALL UNNEC PERS. PLACE COLLECTED MATL IN PROPER CONTR. CONTAINS

CHEM TOX TO FISH. COMPLETE PERS PROT EQUIP MUST B E USED DURING CLEANUP.  
LGE SPILLS: SHUT OFF LEAK IF SAFE TO DO SO. DIKE & CONTAIN SPILL. PUMP TO  
STOR/SALVAGE VESSELS. (OTHER INFO)

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE  
REGULATIONS.

AVOID DISCHARGE TO NATURAL WATERS. DISPOSE OF IN ACCORDANCE WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS (FP N).

Handling And Storage Precautions: STORE BELOW 100F (38C). KEEP AWAY FROM  
HEAT, SPKS & OPEN FLAME. KEEP AWAY FROM DIRECT SUNLIGHT, HEAT & ALL SOURCES  
OF IGNIT. USE ONLY W/ADEQ VENT. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH  
OF CHILDREN. AVOID CONT W/SKIN & EYES, & BRTHG OF V APS. KEEP CONTRS  
TIGHTLY CLSD & UPRIGHT WHEN NOT IN USE.

Other Precautions: AVOID CNDTNS WHICH RSLT IN FORM OF INHALABLE PARTICLESSUCH  
AS SPRAYING/ABRADING (SANDING) PAINTED SURFS. IF SUCH CNDTNS CANNOT  
BE AVOIDED, USE APPROP NIOSH APPRVD RESP PROT AS DIRECTED UNDER SPECIAL  
PROTINFO. EMPTY CONTRS MAY CONTAIN HAZ RESIDUES. GROUND EQUIP WHEN  
TRANSFERRING TO PVNT ACCUM OF STATIC CHARGE.

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Fire and Explosion Hazard Information  
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Flash Point: =37.8C, 100.F

Extinguishing Media: DRY CHEMICAL OR FOAM WATER FOG, CARBON DIOXIDE.

Fire Fighting Procedures: WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE  
EQUIPMENT (FP N). WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: CLSD CONTRS MAY EXPLODE WHEN EXPOSED TO  
EXTREME HEAT/FIRE. VAPS ARE HVR/AIR & MAY TRAVEL LONG DISTS TO SOURCE OF  
IGNIT & FLASH BACK. VAPS CAN FORM EXPLO MIXTS IN AIR AT ELEVATED TEMPS.  
CLSD CONTRS MAY BURST IF EXPOSED TO EXTREME HEAT/FIRE. MAY DECOMPOSE NDER  
FIRE CNDTNS EMITTING IRRITANT &/OR TOX GASES. (OTHER INFO)

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Control Measures  
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Respiratory Protection: CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE  
STANDARDS. WHERE RESPIRATORY PROTECTION IS REQUIRED, USE ONLY NIOSH  
APPROVED RESPIRATORS IN ACCORDANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation: PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-  
UP OF VAPORS. USE EXPLOSION-PROOF EQUIPMENT.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER  
(FP N). IMPERVIOUS CLOTHING, FACESHIELD.

Work Hygienic Practices: WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY  
BEFORE EATING OR SMOKING.

Supplemental Safety and Health: EFTS OF OVEREXP: INTENTIONAL MISUSE BY DELIB  
CONCENTRATING & INHALING CONTENTS MAY BE HARMFUL/FATAL. CONTAINS  
CRYSTALLINE SILICA WHICH IS CONSIDERED HAZ BY INHAL. CRYSTALLINE SILICA IS  
ALSO A KNOWN CAUSE OF SILICOSIS, A NON-CANCEROUS LUNG D ISEASE.  
PHYSICAL/CHEM PROPERTIES: WT/GAL: 13.30; VOC: 234.62 GR/LTR.

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Physical/Chemical Properties  
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Boiling Point: >138.3C, 281.F

B.P. Text: 281F - 355F

Percent Volatiles by Volume: 26.83

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: SUNLIGHT, ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, CONTACT WITH ALUMINUM OR ZINC, SPARKS, OPEN FLAME. IGNITION SOURCES.

Materials To Avoid: OXIDIZERS, ACIDS, BASES, ALDEHYDES, KETONES, AMINES, ALUMINUM, ZINC, NITRIC ACID, PHOSPHORUS, MAGNESIUM, SODIUM, POTASSIUM, NITRATES.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, ACRID FUMES, OXIDES OF SULFUR, AMMONIA, OXYGEN, HYDROGEN CHLORIDE, ALDEHYDES, TOXIC GASES, BARIUM COMPOUNDS, SMOKE AND SOOT.

Hazardous Polymerization Indicator: NO

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Toxicological Information  
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Toxicological Information: IARC HAS CLASSIFIED SILICA AS PROBABLY CARCINOGENIC FOR HUMANS (2A). THIS CLASSIFICATION IS BASED ON THE FINDINGS OF LABORATORY ANIMAL STUDIES THAT WERE CONSIDERED SUFFICIENT AND DATA FROM EPIDEMIOLOGICAL STUDIES THAT WERE CONSIDERED LIMITED FOR CARCINOGENICITY.

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Ecological Information  
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MSDS Transport Information  
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Transport Information: DOT PROPER SHIPPING NAME: PAINT.

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Regulatory Information  
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Other Information  
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Other Information: SPILL PROC: USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES. SMALL SPILLS: USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE OF PROPERLY. EXPLOSION HAZARDS: IN CLOSED TANKS, WATER OR FOAM MAY CAUSE FROTHING OR ERUPTION. COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

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HAZCOM Label  
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Product ID: 224F3501 DEVRAN 224 HS HIGH BUILD EPOXY WHITE

Cage: 01PD6

Company Name: GLIDDEN PAINT, ICI PAINTS

Street: 925 EUCLID AVE

City: CLEVELAND OH

Zipcode: 44115

Health Emergency Phone: 800-545-2643

Label Required IND: Y

Date Of Label Review: 05/25/1999

Status Code: A

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Severe

Contact Hazard: Moderate

Fire Hazard: Moderate

Reactivity Hazard: Slight

Hazard And Precautions: COMB! ACUTE: INHAL: IRRIT OF RESP TRACT. CNS DEPRESS, METALLIC TASTE, ANESTH EFT/NARC, DFCLTY BRTHG, FEVER & CHILLS, DEHYDRATION, TREMORS, LUNG, LIVER, KIDNEY & SPLEEN DMG, PULM EDEMA, PNEUM, UNCON, ASPHY, DEATH. SKIN: IRRIT/BURNS. POSS DER MAL ABSORP MAY CAUSE CNS DEPRESS, LIVER & KIDNEY DMG. EYE: IRRIT; CONJ, BLINDNESS. INGEST: LUNG INFLAMM, ASPIR HAZ, IRRIT, HDCH, NAUS, VOMIT, DIARR, GI DISTURBS, ABDOM PAIN, CNS DEPRESS, ANESTH EFT/NARCOS, BURNS, REPRO SYS DMG. CHRONIC: C ANKER HAZ. CONTAINS SILICA, CRYSTALLIN-QUARTZ WHICH IS LISTED AS A HUMAN LUNG CARCINOGEN (FP N). SEE MSDS FOR MORE INFO.

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