A-4100-SERIES AEROSOL ENAMEL, A-4100

MSDS Number
CBVVD

National Stock Number
8010-00N028691

Product Name
A-4100-SERIES AEROSOL ENAMEL, A-4100

Manufacturer
CARDINAL INDUSTRIAL FINISHES

Product Identification
Product ID: A-4100-SERIES AEROSOL ENAMEL, A-4100
MSDS Date: 05/10/1991
FSC: 8010
NIIN: 00N028691
MSDS Number: CBVVD

Responsible Party
CARDINAL INDUSTRIAL FINISHES
1329 POTRERO AVE
SO EL MONTE, CA 91733
US
Emergency Phone: 818-444-9274
Info Phone: 818-444-9274
Preparer: RICHARD STEWART
Cage: 65860

Contractor
CARDINAL INDUSTRIAL FINISHES
SOUTH EL MONTE, CA 91733
US
818-444-9274 OR 213-283-9335
Cage: 65860

Ingredients
9.0 @ 68F.
CAS: 1330-20-7
RTECS: ZE2100000
Fraction By Weight: 2%
OSHA PEL100 PPM
ACGIH TLV: 100 PPM; 150 STEL
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

TOLUENE (SARA 313) (CERCLA). 22.0 @ 68F.
CAS: 108-88-3
RTECS: XS5250000
Fraction By Weight: 10%
OSHA PEL200 PPM; Z-2
ACGIH TLV: 50 PPM, S
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

ACETIC ACID, ISOBUTYL ESTER; (ISOBUTYL ACETATE) (CERCLA).
CAS: 110-19-0
RTECS: AI4025000
Fraction By Weight: 5.0%
OSHA PEL150 PPM
ACGIH TLV: 150 PPM
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

2.0 @ 68F.
CAS: 8032-32-4
RTECS: OI6180000
Fraction By Weight:
OSHA PEL300 PPM
ACGIH TLV: 300 PPM

TITANIUM OXIDE;(TITANIUM DIOXIDE)
CAS: 13463-67-7
RTECS: XR2275000
Fraction By Weight:
OSHA PEL15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST

ACETONE (SARA 313) (CERCLA). 196.0 @ 68F.
CAS: 67-64-1
RTECS: AL3150000
Fraction By Weight: 24%
OSHA PEL1000 PPM
ACGIH TLV: 750 PPM; 1000 STEL
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

8.6 @ 68F.
CAS: 74-98-6
RTECS: TX2275000
Fraction By Weight: 50%
OSHA PEL1000 PPM
ACGIH TLV: ASPHYXIANT

5.39 LB/GL (645 G/L).
RTECS: 9999999VO

Hazards
LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:SEV EYE IRRIT, BLURRED VISION. CAN CAUSE MOD SKIN IRRIT, DEFAT OF TISS, DERM. INHAL: HDCH, FATG, WEARINESS, NAUS, VOMIT, DIZZ, STUPER, DROW, DISTURB VISION, COUGH & UNCON. SKIN: PRNGLD CONT CAN CAUSE MOD IRRIT, DEFAT & DERM. EYE: CAN CAUSE SEV IRRIT, REDNESS, TEARING & BLURRED VISION. (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT.
Medical Condi Aggravated by Exposure:PRE-EXISTING RESPIRATORY CONDITIONS, PRE-EXISTING SKIN DISORDERS, LIVER & KIDNEY DISORDERS.

First Aid
First Aid:EYE: FLUSH W/PLENTY OF WATER FOR AT LEAST 15-30 MINS. GET MED ATTN. SKIN: WASH EXPOSED AREA W/MILD SOAP & WATER FOR AT LEAST 15 MINS. REMOVE CONTAM CLTHG. INHAL: REMOVE TO FRESH AIR. IF BREATHING IS DFCLT, ADMIN OXYGEN. IF BRTHG HAS STOPPED, GIVE ARTF RESP. GET MED ATTN. INGEST: DO NOT INDUCE VOMITING. KEEP VICTIM WARM & SEEK MED ATTN.

Fire Fighting
Flash Point Method:TCC
Flash Point:-154F,-103C
Lower Limits:0.7%
Upper Limits:12.8%
Extinguishing Media:FOAM, ALCOHOL FOAM, CO*2, DRY CHEMICAL, WATER FOG.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT. BEWARE OF EXPLOSIONS.
Unusual Fire/Explosion Hazard:HEAT WILL CAUSE EXPLOSIONS OF AEROSOL CNTNR DUE TO INCREASED PRESS. PROPANE IS EXPLOS WHEN EXPOSED TO FLAME. ISOLATE FROM HEAT, SPARKS, ELEC EQUIP & OPEN FLAME.

Accidental Release
Spill Release Procedures:FOLLOW INSTRUCTIONS TO PVNT HLTH HAZS. ELIM ALL SOURCES OF IGNITION, ABSORB LIQUIDS IN ABSORBANT MATL & PVNT SPREADING TO GROUND WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling
Handling and Storage Precautions:CNTNRS MAY BE HAZ WHEN EMPTIED, SINCE EMPTIED CNTNRS MAY RETAIN PROD RESIDUALS (VAPS, LIQS, &/SOLIDS), ALL PRECS GIVEN IN THIS MSDS MUST BE OBSERVED.
Other Precautions:STORE AT ROOM TEMPERATURES AWAY FROM HEAT SOURCES AND HAVE LIDS TIGHTLY CLOSED. PROPANE - MAY BE NARCOTIC IN VERY HIGH CONCS.

Exposure Controls
Respiratory Protection:IF TLV OF PROD/ANY COMPONENT IS EXCEEDED, NIOSH/MSHA JOINTLY APPOVRED AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF ENVIRON CONTROLS. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA RESPS
UNDER SPEC CNDTNS. (SEE SA FETY EQUIP SUPPLIER) ENGINEERING (SUPDAT)
Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL & LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW THE TLV'S.
Protective Gloves: PVA COATED/POLYETHYLENE GLOVES.
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS.
Other Protective Equipment: EMERGENCY EYEWASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA. HANDCREAM, IMPERVIOUS CLTHG & CHEM RESIST BOOTS.
Work Hygienic Practices: WASH HANDS BEFORE EATING OR USING REST ROOM, SMOKE IN SMOKING AREAS ONLY.
Supplemental Safety and Health
RESP PROT: OR ADMIN CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.
EFTS OF OVEREXP: NOTE: TOLUENE APPEARS ON THE NAVY LISTING OF OCCUP CHEMICAL REPRODUCTIVE HAZARDS. SEEK CONSULTATION FROM APPROPRIATE HEALTH PROFESSIONALS CONCERNING LATEST HAZARD LIST INFORMATION AND SAFE HANDLING AND EXPOSURE INFO.

Chemical Properties
Boiling Pt: B.P. Text: >-44F, >-42C
Vapor Pres: SEE INGS
Vapor Density: LTR/AIR
Spec Gravity: 0.7 (H*20=1)
Evaporation Rate & Reference: SLOWER THAN ETHER
Solubility in Water: NON SOLUBLE
Appearance and Odor: VARIOUS COLORS W/SOLVENT ODOR.

Stability
Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZERS.
Stability Condition to Avoid: TEMPERATURES ABOVE 120F.
Hazardous Decomposition Products: HAZARDOUS DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Disposal
Waste Disposal Methods: "DO NOT INCINERATE." DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS. AVOID PUNCTURE OF CONTAINERS.

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