

COURTAULDS AEROSPACE -- 340HS NO. 11136 PC 834G104 - POLYURETHANE COATING, RED 11136
MATERIAL SAFETY DATA SHEET
NSN: 8010012931366
Manufacturer's CAGE: 85570
Part No. Indicator: A
Part Number/Trade Name: 340HS NO. 11136 PC 834G104

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General Information

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Item Name: POLYURETHANE COATING, RED 11136 PART 1 OF 2
Company's Name: COURTAULDS AEROSPACE
Company's Street: 1608 4TH ST
Company's City: BERKELEY
Company's State: CA
Company's Country: US
Company's Zip Code: 94710
Company's Emerg Ph #: 800-228-5635/800-424-9300 CHEMTREC
Company's Info Ph #: 818-549-7823/818-549-7825
Record No. For Safety Entry: 005
Tot Safety Entries This Stk#: 008
Status: KH
Date MSDS Prepared: 18JAN93
Safety Data Review Date: 11DEC95
Supply Item Manager: GSA
MSDS Preparer's Name: SEROJE HARTOONIANI
Preparer's Company: COURTAULDS AEROSPACE
Preparer's St Or P. O. Box: 1608 4TH STREET
Preparer's City: BERKELEY
Preparer's State: CA
Preparer's Zip Code: 94710
MSDS Serial Number: BQYNH
Specification Number: MIL-C-85285
Spec Type, Grade, Class: TYPE 2; KIT 5
Hazard Characteristic Code: F5
Unit Of Issue: KT
Unit Of Issue Container Qty: 1 PT KT
Type Of Container: METAL

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: METHYL N-AMYL KETONE (VAPOR PRESSURE 2.1 MM HG)
Ingredient Sequence Number: 01
Percent: 15
NIOSH (RTECS) Number: MJ5075000
CAS Number: 110-43-0
OSHA PEL: 100 PPM
ACGIH TLV: 50 PPM
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: METHYL PROPYL KETONE (VAPOR PRESSURE 27.8 MM HG)
Ingredient Sequence Number: 02
Percent: 5
NIOSH (RTECS) Number: SA7875000
CAS Number: 107-87-9
OSHA PEL: 200 PPM/STEL 250 PPM

ACGIH TLV: 200 PPM/STEL 250 PPM
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: BUTYL ACETATE (VAPOR PRESSURE 8.4 MM HG)
Ingredient Sequence Number: 03
Percent: <5
NIOSH (RTECS) Number: AF7350000
CAS Number: 123-86-4
OSHA PEL: 150 PPM/STEL 200 PPM
ACGIH TLV: 150 PPM/STEL 200 PPM
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: NON-HAZARDOUS ADDITIVES, RESIN AND PIGMENTS (VAPOR PRESSURE 0 MM HG)
Ingredient Sequence Number: 04
Percent: 30
NIOSH (RTECS) Number: 1003746AD
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: POLYESTER RESIN (VAPOR PRESSURE 0 MM HG)
Ingredient Sequence Number: 05
Percent: 15
NIOSH (RTECS) Number: 1000554PR
CAS Number: 85959-88-2
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: TOLUENE (SARA III) (VAPOR PRESSURE 22 MM HG)
Ingredient Sequence Number: 06
Percent: <1
NIOSH (RTECS) Number: XS5250000
CAS Number: 108-88-3
OSHA PEL: 200 PPM/150 STEL
ACGIH TLV: 50 PPM; 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: XYLENE (SARA III) (VAPOR PRESSURE 10 MM HG)
Ingredient Sequence Number: 07
Percent: <5
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM/STEL 150 PPM
ACGIH TLV: 100 PPM/STEL 150 PPM
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: TITANIUM DIOXIDE (VAPOR PRESSURE 0 MM HG) (FULLY ENCAPSULATED FORM NOT NORMALLY HAZARDOUS UNLESS SANDED OR GROUND)
Ingredient Sequence Number: 08

Percent: <5
NIOSH (RTECS) Number: XR2275000
CAS Number: 13463-67-7
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: BARIUM SULFATE (SARA III) (VAPOR PRESSURE 0 MM HG)
Ingredient Sequence Number: 09
Percent: 15
NIOSH (RTECS) Number: CR0600000
CAS Number: 7727-43-7
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: CRYSTALLINE SILICA - QUARTZ (VAPOR PRESSURE 0 MM HG)
Ingredient Sequence Number: 10
Percent: <1
NIOSH (RTECS) Number: VV7330000
CAS Number: 14808-60-7
OSHA PEL: SEE TABLE Z3
ACGIH TLV: 0.1 MG/M3 RDUST; 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: AROMATIC SOLVENT (VAPOR PRESSURE 5.2 MM HG)
Ingredient Sequence Number: 11
Percent: <5
NIOSH (RTECS) Number: 1003452HA
CAS Number: 64742-94-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: ACETYLACETONE (VAPOR PRESSURE 7 MM HG)
Ingredient Sequence Number: 12
Percent: 5
NIOSH (RTECS) Number: SA1925000
CAS Number: 123-54-6
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: VOC G/L: 340 WITH 930G052 @ 3/1
Ingredient Sequence Number: 13
NIOSH (RTECS) Number: 9999999VO
Other Recommended Limit: NONE SPECIFIED
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Physical/Chemical Characteristics
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Appearance And Odor: RED LIQUID, SOLVENT ODOR
Boiling Point: 213 TO 354F

Vapor Density (Air=1): > AIR
Specific Gravity: 1.19
Evaporation Rate And Ref: SLOWER THAN N-BU AC
Solubility In Water: SLIGHT
Percent Volatiles By Volume: 49.98
Viscosity: >30SEC FORD#4
pH: N/A
Corrosion Rate (IPY): N/A
Autoignition Temperature: 991 F

Fire and Explosion Hazard Data

Flash Point: 80.0F, 26.7C
Flash Point Method: SCC
Lower Explosive Limit: 1
Extinguishing Media: EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).
Special Fire Fighting Proc: WATER MAY BE INEFFECTIVE, USE TO COOL FIRE
EXPOSED CONTAINERS (FOG NOZZLES PREFERRED). WEAR NIOSH/MSHA SCBA &
PROTECTIVE CLOTHES TO PREVENT SKIN & EYE CONTACT.
Unusual Fire And Expl Hazrds: VAPORS COLLECT IN INADEQUATELY VENTED/
CONFINED AREAS, FORM EXPLOSIVE MIX W/AIR, TRAVEL LONG DISTANCE, FLASHBACK
TO HANDLING SITE. CLSD CNTNR MAY EXPLODE W/HEAT

Reactivity Data

Stability: YES
Cond To Avoid (Stability): NONE
Materials To Avoid: NONE
Hazardous Decomp Products: PRODUCTS OF COMBUSTION ARE HAZARDOUS INCLUDING
CARBON MONOXIDE AND CARBON DIOXIDE.
Hazardous Poly Occur: NO

Health Hazard Data

Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE; INHALE: NASAL & RESP IRRITATION,
ACUTE CENTRAL NERVOUS SYSTEM DEPRESSN (HEADACHE, DIZZINESS, STAGGERING,
CONFUSION, UNCONSCIOUSNESS). ASPHYXIATION (BREATHING OXYGEN DEFICIENT AIR).
EYE: IRRIT. INGEST: GI IRRITATION, NAUSEA, VOMITING, DIARRHEA. ASPIRATION
INTO LUNGS CAN CAUSE CHEM PNEUMONITIS WHICH CAN BE FATAL.
Carcinogenicity - IARC: YES
Explanation Carcinogenicity: CRYSTALLINE SILICA HAS BEEN CLASSIFIED BY
IARC AS PROBABLY CARCINOGENIC TO HUMANS.
Signs/Symptoms Of Overexp: CHRONIC: SKIN: IRRIT, DEFATTING, DERMATITIS.
PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE (CONCENTRATION DIFFICULTIES,
DIMINISHED DEXTERITY & MEMORY LOSS). SILICOSIS. ANIMAL STUDIES: LUNG
TUMORS, LIVER, KIDNEY, LUNG, SPLEEN, HEART, ADRENAL DAMAGE. RATS & MICE
EXPOSED DURING PREGNANCY SHOW EMBRYO/FETOTOXIC EFFECTS.
Med Cond Aggravated By Exp: PREEXISTING SKIN, LUNG AND EYE CONDITIONS.
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL
RESPIRATION OR CPR IF REQUIRED. IF BREATHING DIFFICULT, GIVE OXYGEN. KEEP
WARM & QUIET. GET MED AID. SKIN: WASH AFFECTED AREAS WITH SOAP & WATER.
DONT USE SOLVENTS. REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE. GET
MEDICAL AID. EYE: FLUSH W/WATER FOR 15 MINUTES. GET MED ATTENTION,
PREFERRABLY AN OPHTHALMOLOGIST. INGESTION: GET MEDICAL ATTENTION.

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Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR AIR SUPPLIED RESPIRATOR FOR MAJOR UNVENTED SPILL. COVER WITH ABSORBENT. SCOOP INTO CONTAINERS. CLEAN-UP RESIDUE WITH SUITABLE SOLVENT. DISPOSE OF SPILLAGE IN COMPLIANCE WITH FEDERAL & STATE REGULATIONS. ULTIMATE DISPOSAL METHOD-INCINERATION.

Waste Disposal Method: WHEN DISPOSING OF MAT'L, ENSURE THAT IT'S PACKAGED, STORED, TRANSPORTED, ETC IN ACCORD W/LOCAL, STATE, & FED REGS. USE NO DISPOSAL METHOD THAT WOULD POSE ENVIRONMENTAL OR HUMAN HEALTH THREAT INCLUDING CONTAMINATE GROUND/SURFACE WATER. IGNITABLE LIQ.

Precautions-Handling/Storing: KEEP CNTNR CLOSED. KEEP FROM HEAT, ELECTRICAL EQUIP, SPARK & FLAME. DONT STORE ABOVE 49 C. STORE FLAMM LIQ IN ACCORD W/NFPA CODES & GOVERNMENTAL REGS.

Other Precautions: FOLLOW GROUND/BOND PROCEDURES WHEN TRANSFERRING. AVOID FREE FALL OF LIQUID. DONT SMOKE NEAR MAT'L. DONT APPLY TO HOT SURFACES. EMPTY DRUMS CONTAIN EXPLOSIVE VAPOR. DONT CUT, PUNCTURE, WELD ON/NEAR DRUM. DONT INGEST. OBSERVE LABEL WARNINGS.

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Control Measures

Respiratory Protection: USE NIOSH/MSHA AIR SUPPLIED RESPIRATOR FOLLOW MANUFACTURERS DIRECTIONS AND OSHA REGULATIONS FOR USE.

Ventilation: IF EMPLOYEES PRESENT, GENERAL DILUTION/LOCAL EXHAUST TO KEEP BELOW TLV. WHERE NO EMPLOYEES, KEEP BELOW 25% OF LEL.

Protective Gloves: CHEMICALLY RESISTANT GLOVES

Eye Protection: SAFETY GLASSES

Other Protective Equipment: AVOID SKIN CONTACT BY USE OF PROTECTIVE CLOTHING. SAFETY SHOWER, EYE BATH & WASHING FACILITIES SHOULD BE AVAILABLE.

Work Hygienic Practices: WASH CONTAMINATED CLOTHING BEFORE REUSE.

Suppl. Safety & Health Data: KEY1;F4.

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Transportation Data

Trans Data Review Date: 93083

DOT PSN Code: LFE

DOT Proper Shipping Name: PAINT

DOT Class: 3

DOT ID Number: UN1263

DOT Pack Group: III

DOT Label: FLAMMABLE LIQUID

IMO PSN Code: LCT

IMO Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL

IMO Regulations Page Number: 3372

IMO UN Number: 1263

IMO UN Class: 3.3

IMO Subsidiary Risk Label: -

IATA PSN Code: SXH

IATA UN ID Number: 1263

IATA Proper Shipping Name: PAINT

IATA UN Class: 3

IATA Label: FLAMMABLE LIQUID

AFI PSN Code: SXH

AFI Prop. Shipping Name: PAINT OR PAINT RELATED MATERIAL

AFI Class: 3

AFI ID Number: UN1263

AFI Pack Group: III

MMAC Code: NK

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Disposal Data

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Label Data

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Label Required: YES

Label Status: G

Common Name: 340HS NO. 11136 PC 834G104

Special Hazard Precautions: ACUTE; INHALE: NASAL & RESP IRRITATION, ACUTE
CENTRAL NERVOUS SYSTEM DEPRESSN (HEADACHE, DIZZINESS, STAGGERING,
CONFUSION, UNCONSCIOUSNESS). ASPHYXIATION (BREATHING OXYGEN DEFICIENT AIR).
EYE: IRRIT. INGEST: GI IRRITATION, NAUSEA, VOMITING, DIARRHEA. ASPIRATION
IRRIT, DEFATTING, DERMATITIS. PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE
(CONCENTRATION DIFFICULTIES, DIMINISHED DEXTERITY & MEMORY LOSS).
SILICOSIS. ANIMAL STUDIES: LUNG TUMORS, LIVER, KIDNEY, LUNG, SPLEEN, HEART,
ADRENAL DAMAGE. RATS & MICE EXPOSED DURING PREGNANCY SHOW EMBRYO/FETOTOXIC
EFFECTS.

Label Name: COURTAULDS AEROSPACE

Label Street: 1608 4TH ST

Label City: BERKELEY

Label State: CA

Label Zip Code: 94710

Label Country: US

Label Emergency Number: 800-228-5635/800-424-9300 CHEMTREC