

POLYCAST TECHNOLOGY -- ROYALITE WEATHERABLE-ABS SHEET - ROYALITE 84-ABS
 MATERIAL SAFETY DATA SHEET
 NSN: 933000N057503
 Manufacturer's CAGE: 20434
 Part No. Indicator: A
 Part Number/Trade Name: ROYALITE WEATHERABLE/ABS SHEET - ROYALITE 84/ABS

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 General Information
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Company's Name: POLYCAST TECHNOLOGY CORP
 Company's P. O. Box: 568
 Company's City: MISHAWAKA
 Company's State: TN
 Company's Country: US
 Company's Zip Code: 46546
 Company's Emerg Ph #: 219-259-1259 (X 501)
 Company's Info Ph #: 219-267-7127 (X 747)
 Record No. For Safety Entry: 001
 Tot Safety Entries This Stk#: 001
 Status: SMJ
 Date MSDS Prepared: 15FEB93
 Safety Data Review Date: 24FEB95
 MSDS Serial Number: BWQTC

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 Ingredients/Identity Information
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Proprietary: NO
 Ingredient: ACRYLONITRILE, POLYMER W/1,3-BUTADIENE AND STYRENE;
 (ACRYLONITRILE/BUTADIENE/STYRENE)
 Ingredient Sequence Number: 01
 Percent: 50-90
 NIOSH (RTECS) Number: AT6970000
 CAS Number: 9003-56-9
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

 Proprietary: NO
 Ingredient: ACRYLONITRILE, POLYMER W/STYRENE; (STYRENE/ACRYLONITRILE
 COPOLYMER)
 Ingredient Sequence Number: 02
 Percent: 5-40
 NIOSH (RTECS) Number: AT6978000
 CAS Number: 9003-54-7
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

 Proprietary: NO
 Ingredient: RUBBER; (EPDM RUBBER)
 Ingredient Sequence Number: 03
 Percent: 0-10
 NIOSH (RTECS) Number: 1008815RU
 CAS Number: 25034-71-3
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

 Proprietary: NO
 Ingredient: ETHYLENE-PROPYLENE RUBBER; (EPDM RUBBER)
 Ingredient Sequence Number: 04
 Percent: 0-10
 NIOSH (RTECS) Number: 1009518EP
 CAS Number: 25038-36-2
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

 Proprietary: NO
 Ingredient: POLYETHYLENE, CHLORINATED; (CHLORINATED POLYETHYLENE)
 Ingredient Sequence Number: 05
 Percent: 2-15
 NIOSH (RTECS) Number: 1005861PC
 CAS Number: 64754-90-1
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

 Proprietary: NO
 Ingredient: PIGMENTS; (VARIOUS PIGMENTS - CERTAIN HEAVY-METAL SALTS,
 PRESENT AS COLOR PIGMENTS & BASED UPON CADMIUM, (ING 7)
 Ingredient Sequence Number: 06
 NIOSH (RTECS) Number: 1000046PI
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

 Proprietary: NO
 Ingredient: ING 6:CHROMIUM, COPPER, LEAD/MERCURY METALS, MAY BE PRESENT IN
 SOME COLORED SHEET. THOSE INGS ARE ESSNTLY MIXED (ING 8)
 Ingredient Sequence Number: 07
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

Proprietary: NO
 Ingredient: ING 7:INTO PLASTIC & ARE UNLIKELY TO CONTRIBUTE EITHER TO
 POLLUTION OF SOILS & WATERS/TO PERSONNEL HANDLING HAZARDS.)
 Ingredient Sequence Number: 08
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

Proprietary: NO
 Ingredient: SUPDAT:SECTIONS .31, .32, .33. THEY DO NOT HAVE CHARACTS OF
 HAZ MATL AS DEFINED UNDER SECTIONS 261.21, .22, .23 & .24.
 Ingredient Sequence Number: 09
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Proprietary: NO
 Ingredient: OTHER PREC:CONTROLLED VENT, TO OUTSIDE OF BLDG. FUMES & VAPS
 EMITTED FROM HOT PLASTIC DURING FORMING OPERATIONS (ING 11)
 Ingredient Sequence Number: 10
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Proprietary: NO
 Ingredient: ING 10:MAY CONDENSE ON COOL OVERHEAD METAL SURFS/STRUCTURES.
 THAT CONDENSATE, USUALLY IN FORM OF SOFT, GREASE- (ING 12)
 Ingredient Sequence Number: 11
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Proprietary: NO
 Ingredient: ING 11:LIKE, SEMI-SOLID, MAY CONTAIN SUBSTANCES WHICH CAN BE
 IRRIT & TOX. AVOID CONT OF THAT MATL W/SKIN. (ING 13)
 Ingredient Sequence Number: 12
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Proprietary: NO
 Ingredient: ING 12:TYPICAL VOLAT EMISSIONS FROM POLYMERS UNDER REC PROCESS
 CNDTNS, IN ADDN TO MATLS PREVIOUSLY DISCUSSED, (ING 14)
 Ingredient Sequence Number: 13
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Proprietary: NO
 Ingredient: ING 13:MAY BE WATER VAP & TRACE AMTS OF SUCH MATLS AS ETHYL
 BENZENE, BENZENE, PHENOL, ACROLEIN, ACETOPHENONE, (ING 15)
 Ingredient Sequence Number: 14
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Proprietary: NO
 Ingredient: ING 14:ALPHA METHYL STYRENE, 4-VINYL CYCLOHEXENE & CUMENE.
 Ingredient Sequence Number: 15
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

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Physical/Chemical Characteristics

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Appearance And Odor: COLORED SOLID SHEET; VERY SLIGHT ODOR.
 Boiling Point: N/A
 Vapor Pressure (MM Hg/70 F): N/A
 Vapor Density (Air=1): N/A
 Specific Gravity: 1.04-1.12
 Solubility In Water: NIL
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Fire and Explosion Hazard Data

Flash Point: NONE
 Lower Explosive Limit: N/A
 Upper Explosive Limit: N/A
 Extinguishing Media: WATER FOG, FOAM, ALCOHOL RESISTANT FOAM, CO*2, DRY CHEMICAL.
 Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).
 Unusual Fire And Expl Hazrds: HAZS FROM BURNING ARE INTENSE HEAT & VERY HIGH LEVELS OF DENSE, BLACK SMOKE CNTNG CARBON MONOXIDE, CARBON DIOXIDE & HYDROGEN CYANIDE. HYDROGEN HALIDES &(SUPDAT)

Reactivity Data

Stability: YES
 Cond To Avoid (Stability): R84 SURFACE TEMPERATURES >218C, 425F, MAY RELEASE COMBUSTIBLE & TOXIC GASES.
 Materials To Avoid: OXIDIZING MATERIALS.
 Hazardous Decomp Products: STYRENE MONOMER, AMMONIA, HYDROGEN HALIDES, HYDROGEN CYANIDE, AROMATIC & ALIPHATIC HYDROCARBON FRACTIONS & (SUPDAT)
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES
 Route Of Entry - Ingestion: NO
 Health Haz Acute And Chronic: ACUTE:INHAL:VAPS & FUMES PRDCD DURING FORMING OF THESE PLASTICS MAY PRDCE ACUTE HLTH EFTS IN SOME INDIVIDUALS, ESP IRRIT OF EYES, NOSE & THROAT & IN CASES OF SEV OVEREXP, NAUS & HDCH. SKIN CONT:FUMES & VAPS EMITTED FROM HOT PLASTIC DURING CONVERTING OPERATIONS MAY CONDENSE ON COOLING OVERHEAD METAL (EFTS OF OVEREXP)
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT
 Signs/Symptoms Of Overexp: HLTH HAZ:SURFS/STRUCTURES. THIS CONDENSATE, USUSALLY IN FORM OF SOFT, GREASE-LIKE, SEMI-SOLID MAY CNTN SUBSTANCES WHICH CAN BE IRRIT & TOX. MOLTEN PLASTICS MAY CAUSE THERMAL BURNS. EYE CONT:VAPS & FUMES FROM HOT MELT-PROCESSING MAY CAUSE IRRIT. INGEST:NOT ACUTELY TOX. NOT PROBABLE RTE OF EXPOS. CHRONIC:NO KNOWN PROBS.
 Med Cond Aggravated By Exp: UNKNOWN.
 Emergency/First Aid Proc: INHAL:REMOVE TO FRESH AIR. REFER TO MD FOR TREATMENT. SKIN:COOL RAPIDLY W/WATER & IMMEDIATELY OBTAIN MEDICAL ATTENTION TO REMOVE COOLED PLASTIC. EYE:FLUSH IMMEDIATELY W/LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, CONTACT MD. INGEST:KEEP PERSON WARM & AT REST. OBTAIN MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: RECYCLE IF POSSIBLE.
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Method: DISP MUST BE I/A/W FED, STATE & LOC REGS (FP N). RECYCLE IF POSS. LANDFILL WASTE PLASTIC IF CODES PERMIT/INCIN IF CODES & EQUIP PERMIT. INCIN EQUIP SHOULD BE CAPABLE OF HNDLG LG VOLS OF DENSE, BLACK SMOKE & W/STAND CORR EFT OF ACID GASES. (SUPDAT)
 Precautions-Handling/Storing: AVOID STORING NEAR FOODSTUFFS DUE TO POSSIBILITY OF ODOR & TASTE CONTAMINATION OF FOOD. DO NOT STORE NEAR HEATING DEVICES, HOT PIPES, ETC.
 Other Precautions: W/PROPER VENT THESE PRODS CAN BE STORED/PROCESSED W/OUT EXPOSING EMPLOYEES TO UNACCEPT MONOMER LEVELS. GASEOUS EMISSIONS FROM FORMING & FABRICATION SHOULD NOT BE DISCHARGED INTO WORK AREAS. THESE MATLS SHOULD BE EXHSTED, UNDER (ING 10)

Control Measures

Respiratory Protection: UNDER CONDITIONS OF EXCESSIVE FUME CONCENTRATIONS, A NIOSH/MSHA APPROVED DEVICE W/ORGANIC VAPOR ACID GAS (OVAG) RATING OR FRESH AIR SUPPLY SHOULD BE USED. RPTD & PRLNG EXPOS: NIOSH/MSHA APPRVD HALF MASK W/CARTRIGE RESP PROT.
 Ventilation: RECOMMENDED; SUFFICIENT TO CONTROL VAPORS & ODORS.
 Protective Gloves: RUBBER OR OTHER IMPERMEABLE PROT GLOVES.
 Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).
 Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N). ORDINARY WORK CLOTHES.
 Work Hygienic Practices: WASH HANDS W/SOAP & WATER BEFORE EATING OR SMOKING & AT THE END OF EACH WORK DAY.
 Suppl. Safety & Health Data: EXPLO HAZ:OXIDES OF NITROGEN CMPDS MAY ALSO

OCCUR UNDER BURNING CNDTNS. HAZ DECOMP PROD:CARBON MONOXIDE MAY BE PRESENT. PRIMARY TOX PRODS ON COMBUST ARE CARBON MONOXIDE & HYDROGEN HALIDES. CARBON DIOXIDE, ASPHY, IS ALSO PRDCD. WASTE DISP METH:THESE SHEET MATLS ARE NOT CONSIDERED HAZ WASTE UNDER TITLE 40 CFR 261 (ING 9)

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Transportation Data
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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 23FEB95
Label Date: 22FEB95
Label Status: G
Common Name: ROYALITE WEATHERABLE/ABS SHEET - ROYALITE 84/ABS
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-Slight: X
Contact Hazard-Moderate: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE:INHAL:VAPORS & FUMES PRODUCED DURING FORMING OF THESE PLASTICS MAY PRODUCE ACUTE HEALTH EFFECTS IN SOME INDIVIDUALS, ESPECIALLY IRRITATION OF EYES, NOSE & THROAT & IN CASES OF SEVERE OVEREXPOSURE, NAUSEA & HEADACHE. SKIN CONTACT:FUMES & VAPORS EMITTED FROM HOT PLASTIC DURING CONVERTING OPERATIONS MAY CONDENSE ON COOLING OVERHEAD METAL SURFACES & MAY BE IRRITATING OR TOXIC. HOT MATERIAL CAN CAUSE BURNS. EYE:VAPORS & FUMES FROM HOT PROCESSING MAY CAUSE IRRITATION. CHRONIC:NONE LISTED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: POLYCAST TECHNOLOGY CORP
Label P.O. Box: 568
Label City: MISHAWAKA
Label State: TN
Label Zip Code: 46546
Label Country: US
Label Emergency Number: 219-259-1259 (X 501)