View NSN Online: https://aerobasegroup.com/nsn/5970-00-787-8319

Product ID:STYCAST 2651 BLACK (SEE SUPPL) MSDS Date:12/31/1998 FSC:5970 NIIN:00-787-8319 Kit Part:Y MSDS Number: CLFCN === Responsible Party === Company Name: EMERSON & CUMING SPECIALTY POLYMERS DIV OF NATIONAL STARCH Address:46 MANNING ROAD City:BILLE RICA State:MA ZIP:01821 Country:US Info Phone Num:781-828-3300 OR 978-436-9781 Emergency Phone Num:800-424-9300 Resp. Party Other MSDS Num.:150255 Preparer's Name: DAVID HAAS Chemtrec Ind/Phone:(800)424-9300 CAGE:TO215 === Contractor Identification === Company Name: EMERSON & CUMING SPECIALTY POLYMERS DIV OF NATIONAL STARCH Address:46 MANNING ROAD Box:City:BILLERICA State:MA ZIP:01821 Country:US Phone:781-828-3300 OR 978-436-9781 CAGE:TO215 Company Name: MCKEOWN ROBERT CO. INC. Address:111 CHAMBERS BROOK RD. Box:City:SOMERVILLE State:NJ ZIP:08876 Country:US Phone:908-218-9000 Contract Num:SP0430-00-M-H-659 CAGE:7B953 Company Name: MCKEOWN ROBERT CO. INC. Address:111 CHAMBERS BROOK RD. Box:City:SOMERVILLE State:NJ ZIP:08876 Country:US Phone:908-218-9000 Contract Num:SP0430-01-M-NR42 CAGE:7B953 Company Name: MCKEOWN ROBERT CO. INC. Address:111 CHAMBERS BROOK RD. Box:City:SOMERVILLE State:NJ ZIP:08876

OBERT CO. INC. Address:111 CHAMBERS BROOK RD. Box:City:SOMERVILLE State:NJ ZIP:08876 Country:US Phone:908-218-9000 Contract Num:SP0430-99-M-Y142 CAGE:7B953 Company Name: MCKEOWN ROBERT CO. INC. Address:111 CHAMBERS BROOK RD. Box:City:SOMERVILLE State:NJ ZIP:08876 Country:US Phone:908-218-9000 Contract Num:SP0430-99-M-Y157 CAGE:7B953

Ingred Name:DGEBA EPOXY RESIN Minumum % Wt:40. Maxumum % Wt:50.

Ingred Name:CRYSTALLINE SILICA

Minumum % Wt:20. Maxumum % Wt:30. OSHA PEL:0.1 MG/M3 ACGIH TLV:0.1 MG/M3

Ingred Name:MICA CAS:12001-26-2 RTECS #:VV8760000 Minumum % Wt:20. Maxumum % Wt:30. OSHA PEL:20 MPPCF ACGIH TLV:3 MG/M3

Ingred Name:PHENYL GLYCIDYL ETHER CAS:122-60-1 RTECS #:TZ3675000 Minumum % Wt:2. Maxumum % Wt:5. OSHA PEL:10 PPM ACGIH TLV:0.1 PPM

Ingred Name:CARBON BLACK CAS:1333-86-4 RTECS #:FF5800000 &It; Wt:1. OSHA PEL:3.5 MG/M3 ACGIH TLV:3.5 MG/M3

Ingred Name:DIGLYCIDYL BISPHENOL A ETHER CAS:1675-54-3 RTECS #:T Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health Hazards Acute and Chronic:EYE CONTACT: CONTAINS MATERIALS IRRITATING TO THE EYES. SKIN: CONTAINS MATERIALS WHICH CAUSE MODERATE SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE TO THE LIQUID MAY EXERT A DEFATTING OR DRYING ACTI ON ON THE SKIN, POSSIBLY RESULTING IN DERMATITIS. PRODUCT MAY CA

USE

SENSITIZATION/ALLERGIC SKIN REACTIONS WHICH MAY BE SEVERE IN CERTAIN INDIVIDUALS. INHALTION: HEATING CAN GENERATE VAPORS THAT MAY CA USE RESPIRATORY IRRITATION, NAUSEA, AND HEADACHES. INHALATION HAZARD AT ROOM TEMPERATURE IS UNLIKELY DUE TO THE LOW VOTALITY OF THIS PRODUCT. INGESTION: HARMFUL IF SWALLOWED. CHRONIC: SEE TOXICOLOGICA L FIELD.

Explanation of Carcinogenicity:IARC CLASSIFIED FREE CRYSTALLINE SILICA A CLASS 2A CARCINOGEN, SUFFICIENT EVIDENCE IN ANIMALS, LIMITED IN

HUMANS. IARC CLASSIFIED FREE CARBON BLACK A CLASS 2B CARCINOGEN, SUFFICIENT EVIDENCE IN ANIMA LS, NON EXISTENT IN HUMANS. IARC CLASSIFIED PHENYL GLYCIDYL ETHER A CLASS 2B CARCINOGEN, SUFFICIENT EVIDENCE IN ANIMALS, NO HUMAN EVIDENCE.

Effects of Overexposure:EYE CONTACT: IRRITATION, BLURRED VISION, BURNING SENSATION, TEARING. SKIN CONTACT: IRRITATION, DEFATTING, DRYING, DERMITITIS, SKIN SENSITIZATION. ALLERGIC REACTION, RASH, ITCHING, HIVES, SWELLING OF T

HE EXTREMITIES. INHALATION:

RESPIRATORY IRRITATION, NAUSEA, HEADACHES.

Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PREEXISTING SKIN AND/OR EYE DISORDERS.

First Aid:EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED SKIN AREA WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. GET MEDICAL ATTEN TION IF

IRRITATION PERSISTS. LAUNDER CONTAMINATED CLOTHING BEFORE REUSING. INHALATION: MOVE VICTIM TO FRESH AIR. PROVIDE OXYGEN IF BREATHING DIFFICULT. GIVE ARTIFICIAL RES PIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DILUTE BY GIVING PLENTY OF WATER TO DRINK, IF VICTIM IS CONSCIOUS AND ALERT. NEVER GIVE ANYTHING BY MOUTH TO DROWSY, UNCONSCIOUS, CONVULSIN G PERSON. GET MEDICAL ATTENTION.

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Flash Point:>93.3C, 200.F Lower Limits:NOT ESTABLIS Upper Limits:N/E Extinguishing Media: USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG. Fire Fighting Procedures: FIREFIGHTERS/RESCUE PERSONNEL SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. COOL EXPOSED CONTAINERS WITH WATER TO PREVENT PRESSURE BUILDUP. IF LARGE Q UANTITIES OF MATERIAL ARE INVOLVED, EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE. **Unusual Fire/Explosion Ha** zard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. CLOSED CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE CONDITIONS. REACTION WITH CURING AGENTS IS EXOTHERMIC; SMOKE OR TOXIC FUMES MAY BE EVOLVED IF HEA T OF REACTION BECOMES EXCESSIVE DUE TO HIGH CURING TEMPERATURES OR CURING OF LARGE MASSES OF MATERIAL.

- Spill Release Procedures:CONDUCT SPILL RESPONSE IN ACCORDANCE WITH OSHA 29 CFR 1910.120. VENTILAT
- E AREA. STOP LEAK IF POSSIBLE. DIKE AREA TO CONTAIN SPILL AND PREVENT RELEASES TO SEWERS, DRAINS, OR WATERWAYS. COLLECT SPILLED MATERIAL FOR SALVAGE OR DISPOSAL. SOAK UP RESIDUE WITH ABSORBENT. WASH AREA WITH SOAPY WATER. PREVENT RUNOFF FROM ENTERING WATERWAYS. TRANSFER ABSORBED MATERIAL AND WATER RINSES TO WASTE CONTAINERS. Neutralizing Agent:NOT PROVIDED

Handling and Storage Precautions:STORE IN A COOL, D

RY LOCATION WITH

ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE. KEEP AWAY FROM FLAMES AND HEAT SOURCES. CONSULT THE PRODUCT TECHNICAL BULLETIN FOR DETAILED STOR AGE INFORMATION. EMPLOYEES MUST BE PROPERLY TRAINED IN SAFE HANDLING OF THIS PRODUCT PRIOR TO USE.

Other Precautions:NORMAL WORK CLOTHING SHOULD BE WASHED BEFORE REUSE. WASH HANDS AND FACE AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. BECAUSE USAGE CONDITIONS WILL VARY, SPECIFIC

SAFE HANDLING

PROCEDURES SH OULD BE DEVELOPED BY A PERSON KNOWLEDGEABLE IN THE INTENDED USAGE CONDITIONS AND EQUIPMENT.

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

Respiratory Protection: USE AN APPROPRIATE, PROPERLY FITTED RESPIRATOR IF EXPOSURES EXCEED PEL/TLV VALUES. THE TYPE OF PROTECTION SELECTED (SCBA, AIR-PURIFYING, ETC) WILL DEPEND UPON THE CONDITIONS OF USE. OBSERVE OSHA REGUL ATIONS FOR RESPIRATORY PROTECTION (29 CFR 1910.134).

Ventilat

ion:PROVIDE MECHANICAL EXHAUST VENTILATION SUFFICIENT TO PREVENT RESPIRATORY IRRITATION, AND MAINTAIN AIRBORNE LEVELS BELOW PEL/TLV VALUES.

Protective Gloves: APPROPRIATE PROTECTIVE GLOVES.

Eye Protection: CHEMICAL SAFETY GLASSES, SPLASH-PROOF CHEMICAL GOGGLES, FACE SHIELD AS NEEDED.

Other Protective Equipment:CHEMICAL RESISTANT APRON AND ADDITIONAL IMPERVIOUS CLOTHING SHOULD BE USED TO PREVENT SKIN CONTACT AND CONTAMINATION OF CLOTHING. EMERGENCY EYE WASH FACILITIES AND SAFET Y

SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:NORMAL WORK CLOTHING SHOULD BE WASHED BEFORE RE-USE. WASH HANDS AND FACE THOROUGHLY AFTER HANDLING THIS PRODUCT AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

THIS ENTRY DESCRIBES PART 3, STYCAST 2651 BLACK, OF A THREE PART KIT. SEE THIS SAME NSN, CATALYST 9, FOR KIT PART ONE DATA AND THIS SAME NSN, CATALYST 11, FOR KIT PART TWO DATA. **CONTD FROM PRODUCT I D: THIS IS MCKEOWN KIT CONTAINING STYC AST 2651 BLACK AND CATALYST 9.

HCC:B2 Boiling Pt:B.P. Text:ND Melt/Freeze Pt:M.P/F.P Text:NP Vapor Pres:NEGLIGIBLE Vapor Density:>AIR Spec Gravity:1.65 (H20=1) Solubility in Water:INSOLUBLE. Appearance and Odor:BLACK LIQUID, PUNGENT ODOR Percent Volatiles by Volume:2.5
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Stability Indicator/Materials to Avoid:YES INCOMPATIBLE WITH STRONG OXIDIZERS, ACIDS, BAS ES, UNCONTROLLED MIXING WITH AMINES, ANHYDRIDES, MERCAPTANS, IMIDAZOLES MAY CAUSE HAZARDOUS
POLYMERIZATION. Stability Condition to Avoid:PRODUCT IS STABLE UNDER NORMAL HANDLING AND STORAGE CONDITIONS.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN COMPOUNDS, PHENOLS, ALDEHYDES, ACIDS, OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION. CHEMICAL NATURE, AMOUNT OF DECOMPOSITION BY-PRODUCTS WILL VARY.
Conditions to Avoid Polymerization:WILL NOT OCCUR; HOWEVER REVIEW REACTIVITY DATA CONCERNING CONDITIONS TO AVOID AND INCOMPATIBLE SUBSTANCES.
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 Toxicological Information:DGEBA EPOXY RESIN SHOWN TO BE MUTAGENIC IN SOME MICROBIAL TESTS BUT NOT IN OTHERS. CHROMOSOMAL ABBERATIONS OBSERVED IN CULTURED RAT LIVER CELLS. 2 YR BIOASSAYS ON MICE EXPOSED DERMALLY GAVE WEAK VERY LIMITED EVIDENCE OF WEAK CARCINOGENICITY. DGEBA EPOXY NOT CARCINOGEN BY IARC. PROLONGED EXPOSURE TO FREE SILICA MAY SCAR LUNGS, WITH COUGH, SHORTNESS OF BREATH. EXPOSURE TO FILLER MATERIAL UNLIKELY UN LESS PRODUCT IS APPLIED IN MANNER WHICH RESULTS IN GENERALTION OF MISTS/FUMES. PHENYL GLYCIDAL ETHER REPORTED TO CAUSE NASAL CANCERS IN LIFETIME INHALATION STUDIES ON RATS AT CONCENTRATIONS OF 12 PPM. NO EFFECTS OBSERVED AT 1 PPM.
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Ecological:NOT PROVIDED

====== Dis

posal Considerations ================

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH CURRENT FEDERAL, STATE, AND LOCAL REGULATIONS.

Transport Information: RESIN COMPOUND N.O.I. - NON REGULATED. FREIGHT CODE: 2015

Federal Regulatory Information:ALL COMPONENTS LISTED IN EPA TSCA INVENTORY. PRODUCT CONTAINS DIGLYCIDYL ETHER OF BISPHENOL A

(1675-54-3) SUBJECT TO TSCA EXPORT NOTIFICATION REQUIREMENTS. State Regulatory Information:NOT PROVIDED

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