

EMERSON AND CUMING -- STYCAST 2651-40 BLACK -- 5970-00-081-4333

===== Product Identification =====

Product ID:STYCAST 2651-40 BLACK

MSDS Date:12/31/1998

FSC:5970

NIIN:00-081-4333

Kit Part:Y

MSDS Number: CKSWD

=== Responsible Party ===

Company Name:EMERSON AND CUMING

Address:46 MANNING ROAD

City:BILLERICA

State:MA

ZIP:01821

Country:US

Info Phone Num:978-436-9781

Emergency Phone Num:(800)424-9300

Re

sp. Party Other MSDS Num.:150265

Preparer's Name:DAVID HAAS

Chemtrec Ind/Phone:(800)424-9300

CAGE:UO004

=== Contractor Identification ===

Company Name:EMERSON AND CUMING

Address:46 MANNING ROAD

Box:City:BILLERICA

State:MA

ZIP:01821

Country:US

Phone:978-436-9781

CAGE:UO004

Company Name:GRACE W R & CO EMERSON & CUMING DEWEY & ALMY CHEM

Address:869 WASHINGTON ST

City:CANTON

State:MA

ZIP:02021-2513

Country:US

Phone:617-935-4850

CAGE:04552

Company Name:KAMPI COMPONENTS CO., INC.

Address:210 RT 13

Box

:721  
City:BRISTOL  
State:PA  
ZIP:19007-3517  
Country:US  
Phone:215-736-2000  
Contract Num:SP0430-00-M-H369  
CAGE:7Z016  
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-H935  
CAGE:7B953  
Company Name:TRIMAN INDUSTRIES INC  
Address:420 COMMERCE LN SUITE 8  
Box:City:WEST BERLIN  
State:NJ  
ZIP:08091  
Country:US  
Phone:856-767-7945 /FAX: 856-767-7154  
Contract Num:SP0430-00-M-H518  
CAGE:0ZBE8

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== Composition/Information on Ingredients =====

Ingred Name:DGEBA EPOXY RESIN  
Minumum % Wt:50.  
Maxumum % Wt:60.

Ingred Name:CRYSTALLINE SILICA  
Minumum % Wt:20.  
Maxumum % Wt:25.  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1MG/M3

Ingred Name:MICA  
CAS:12001-26-2  
RTECS #:VV8760000  
Minumum % Wt:15.  
Maxumum % Wt:20.  
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:60 MG/M3;10 PPM  
ACGIH TLV:0.6 MG/M3;0.1 PPM

Ingrid Name:CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
< Wt:.2  
OSHA PEL:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3

===== Hazards Identification =====

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER  
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES  
Health Hazards Acute and Chronic:EYE CONTACT: CONTAINS MATERIALS  
IRRITATING TO THE EYES. SKIN CONTACT: CONTAINS MATERIALS WHICH  
CAUSE MODERATE SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE TO  
THE LIQUID MAY  
EXERT A DEFATTING ACTION ON THE SKIN, POSSIBLY  
RESULTING IN DERMATITIS. THIS PRODUCT MAY CAUSE SKIN SENSITIZATION/  
ALLERGIC SKIN REACTIONS WHICH MAY BE SEVERE IN CERTAIN INDIVIDUALS.  
INHALATION: HEATING CAN GENERATE VAPORS THAT MAY CAUSE  
RESPIRATORY IRRITATION, NAUSEA AND HEADACHES. INHALATION HAZARD AT  
ROOM TEMPERATURE IS UNLIKELY, DUE TO THE LOW VOLATILITY OF THIS  
PRODUCT. INGESTION: HARMFUL IF SWALLOWED.  
Explanation of Carcinogenicity:IARC: DGBA EPOXY RESINS ARE NOT

CLASSIFIABLE AS CARCINOGENS. IARC CLASSIFIES FREE CRYSTALLINE SILICA  
AS A CLASS 2 CARCINOGEN. IARC HAS CLASSIFIED FREE CARBON BLACK AS A  
CLASS 2B CARCINOGEN. IARC HAS CLASSIFIED PHENYL GLYCIDYL ETHER AS  
A CLASS 2B CARCINOGEN.

Effects of Overexposure:EYE CONTACT: BLURRED VISION, BURNING SENSATION  
AND TEARING. SKIN CONTACT: DEFATTING OR DRYING ACTION ON THE SKIN,  
DERMATITIS, SKIN SENSITIZATION/ALLERGIC SKIN REACTIONS WHICH MAY BE  
SEVERE IN CERTAIN INDIVIDUALS; SYMPTOMS INCLUDE RASH, ITCHING,  
HIVES, SWELLING OF THE EXTREMITIES. INHALATION: RESPIRATORY  
IRRITATION, NAUSEA AND HEADACHES.

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

===== First Aid Measures =====

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN.  
GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING AND FLUSH  
AREA OF SKIN WITH PLENTY OF WATER. FOLLOW BY WASHING

WITH SOAP AND  
WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. PROPERLY CLEAN  
CONTAMINATED CLOTHING BEFORE REUSE. INHALATION: MOVE TO FRESH AIR.  
GIVE OXYGEN IF BREATHING DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF  
NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: GIVE PLENTY OF  
WATER TO DRINK, IF VICTIM IS CONSCIOUS AND ALERT. NEVER GIVE  
ANYTHING BY MOUTH TO A DROWSY, UNCONSCIOUS, OR CONVULSIVE PERSON.  
GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:>93.3C, 200.F  
Lower Limits:N/E  
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 QUANTITIES OF MATERIAL ARE INVOLVED,  
EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.  
Unusual  
Fire/Explosion Hazard: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 HEAT OF REACTION BECOMES EXCESSIVE  
DUE TO HIGH CURING TEMPERATURES OR CURING OF LARGE MASSES OF  
MATERIAL.

===== Accidental Release Measures =====

Spill Release Procedures:STOP SOURCE OF SPILL. ACTIVATE EXHAUST  
VENTILATION IN AREA.  
Dike area to prevent releases to sewers,  
drains, waterways. Collect spill for salvage/disposal. Apply  
absorbent material to soak up residue. Wash area with soapy  
water. Prevent runoff from entering waterways. Transfer absorbed  
material and water rinses to containers. Dispose of in accordance  
with federal, state, and local regulations.  
Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER

===== Handling and Storage =====

Handling and

Storage Precautions:EMPLOYEES MUST BE PROPERLY TRAIN IN  
SAFE HANDLING OF THIS PRODUCT PRIOR TO USE. STORE IN COOL, DRY  
LOCATION WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY SEALED  
WHEN NOT IN USE. KEEP AWAY FROM OPE N FLAMES AND HEAT SOURCES.  
CONSULT THE PRODUCT TECHNICAL BULLETIN FOR DETAILED STORAGE  
INFORMATION.

Other Precautions:BECAUSE USAGE CONDITIONS VARY DEPENDING ON CUSTOMER  
APPLICATION, SPECIFIC SAFE HANDLING PROCEDURES SHOULD BE DEVELOPED  
BY A PERSON KN

OWLEDGEABLE IN THE INTENDED USAGE CONDITIONS, AND  
EQUIPMENT. EMPLOY EES MUST BE TRAINED IN SAFE HANDLING OF THIS  
PRODUCT PRIOR TO USE.

===== 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 REGU LATIONS FOR RESPIRATORY PROTECTION (29 CFR  
1910  
.134).

Ventilation:PROVIDE EFFECTIVE MECHANICAL EXHAUST VENTILATION TO DRAW  
VAPORS, MISTS OR FUMES GENERATED DURING PROCESSING AWAY FROM THE  
WORKER AND PREVENT ROUTINE INHALATION.

Protective Gloves:WEAR APPRIOPRIATE PROTECTIVE GLOVES.

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

Other Protective Equipment:IF NECESSARY, A PROPER CHEMICAL-RESISTANT  
APRON AND ADDITIONAL IMPERVIOUS CLOTHING SHOULD BE USED TO PREVENT  
SKIN CONTACT AND CONTA  
MINATION OF CLOTHING. EMERGENCY EYE WASH  
FACILITIES AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AND FACE THOROUGHLY AFTER HANDLING  
THIS PRODUCT AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

THIS IS A THREE PART KIT, SAME NSN. FOR OTHER TWO ITEMS IN THE KIT, SEE  
MSDS # CKSWV COVERING CATALYST 11, & MSDS SERIAL # CKSWH FOR  
CATALYST 9. HCC FOR KIT= B2.

===== Physical/Chemical Properties =====

HCC:V5

NRC/State Lic Num:N

OT RELEVANT

Boiling Pt:B.P. Text:ND

Vapor Pres:AIR

Spec Gravity:1.60

Solubility in Water:INSOLUBLE

Appearance and Odor:BLACK LIQUID, PUNGENT ODOR.

Percent Volatiles by Volume: