

EMERSON CUMING INC. SUB OF W R GRACE AND CO. -- STYCASET 2651 -- 5970-00-208-8070

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

Product ID:STYCASET 2651

MSDS Date:03/11/1997

FSC:5970

NIIN:00-208-8070

Kit Part:Y

MSDS Number: CGLRD

=== Responsible Party ===

Company Name:EMERSON CUMING INC. SUB OF W R GRACE AND CO.

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888

Country:US

Info Phone Num:617-828-3300

Eme

rgency Phone Num:617-935-4850/617-938-8630

Preparer's Name:DAVID HAAS

CAGE:0B562

=== Contractor Identification ===

Company Name:EMERSON & CUMING

Address:55 HAYDEN AVE

Box:City:LEXINGTON

State:MA

ZIP:02173

Country:US

Phone:617-861-6600

CAGE:0B562

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

Ingred Name:EPOXY RESIN

Fraction by Wt: 40-50%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICA, CRYSTALLINE

Fraction by Wt: 20-30%

Other REC Limits:NONE RECOMMENDED

Ingred Name

:MICA  
Fraction by Wt: 20-30%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:PHENYL GLYCIDYL ETHER (PGE)  
CAS:122-60-1  
RTECS #:TZ3675000  
Fraction by Wt: 2-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM  
ACGIH TLV:S, 1 PPM; A3; 9596

Ingred Name:CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
Fraction by Wt: 200F,>93C  
Autoignition Temp:Autoignition Temp Text:NP  
Lower Limits:N/ESTABLISH  
Upper Limits:N/ESTABLISH  
Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL,FOAM,WATER FOG.  
Fire Fighting Procedures:FIREFIGHTER/RESCUE PERSONNEL SHOULD WEAR  
+PRESS SCBA & FULL PROT EQPMT.COOL EXPO CNTNR W/H2O TO PREVENT  
PRESSURE BUILDUP.LG QUANT OF MATLS INVOLVE EVACUATE(SUP)  
Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY  
BE TOXIC.CLOSED CNTNRS MAY VIOLENTLY RUPTURE UNDER FIRE CONDITIONS.

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

Spill Release Procedures:CONDUCT RESPONSE OPERATIONS IAW PROVISIONS OF  
29CFR1910.120.REVIEW WHOLE MSDS BEF  
PROCEEDING.SM-ACTIVATE EXHAU  
VENTI.WIPEUP/ABSORB W/VERMI/SIMILAR MATL.WASH AREA W/SOAPY  
H2O-REMOVES RESIDUE.COLLECT MA TL/RINSE IN APPROP CNTNR.DISPO IAW  
ALL (SUPPLEME)  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL DRY LOC W/ADEQU  
VENTI.KEEP CNTNR TIGHTLY SEAL WHEN NOT IN USE.KEEP AWAY FRM  
FLAME/HEAT SOURCE.CONSULT PROD TECH BULLETIN FOR STORAGE INF  
Other

Precautions:BECAUSE OF USAGE CONDITIONS WILL VARY DEPENDING ON  
CUSTOMER APPLICATION SPEC SAF HNDLG PROCEDURES SHOULD BE DEVLP BY  
PERSON KNOWLEDGEABLE IN INTENDED USAGE CONDITIONS/EQPMT.WORKER MUST  
BE PROPERLY TRA IN IN SAF HNDLG OF PROD PRIOR TO USE.

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

Respiratory Protection:USE APROPRIATE PROPERLY FITTED RESP IF EXPO  
EXCEED PEL/TLV VALUES.TYP SELECTED WILL DEPEND ON CONDITIONS OF  
USE.OBSERVE OSHA REGS FOR R  
ESP PROT(29CFR1910.134).

Ventilation:PROVIDE EFFECTIVE MECH EXHAU VENTI-DRAW VAP/MIST/FUME FRM  
PROCESS AWAY FRM WORK/PREVENT INHAL,ESPEC @HI TEMPS.

Protective Gloves:APPROPRIATE PROTECIVE GLOVES

Eye Protection:FCSHIELD,SPLASH PRO CHEM GOG,CHEM SAF GL

Other Protective Equipment:PROPER CHEM RESIST APRON,ADDN IMPERV  
CLOTH.EMERG EYE WASH/SAF SHOWER.

Work Hygienic Practices:NORMAL WORK CLOTH SHOULD BE WASH BEF REUSE.WASH  
HAND/FC WELL AFT HNDLG/BEF EAT/DRINK/SMOKE.

Supplemental Safety and  
Health

KEY1:N1. FIREFIGHTER:AREA,FIGHT FIRE FRM SAFE DISTANCE.  
DECOMPO:BYPRODUCTS VARY WIDELY DEPENDING ON CONDITIONS OF  
COMBUSTION. SPILL:REGS.LG-LIMIT ACCESS.SHUT OFF SOURCE W/O  
RISK.ACTIVATE EXHAU VETN.D IKE/CONTAIN/PREVENT RELEASE TO  
SEWER/DRAIN/H2OWAYS.COLLECT FOR SALV/DISPO.SOAKUP W/ABSORBENT.WASH  
W/SOAPY H2O.

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

HCC:B2  
Boiling Pt:B.P. Text:ND  
Melt/Freeze Pt:M.P/F.P Text:NP  
Decomp Temp:Decomp Text:NP  
V  
apor Pres:NELGIGIBLE  
Vapor Density:>AIR  
Spec Gravity:1.65  
pH:NP  
Viscosity:NP  
Evaporation Rate & Reference:NP  
Solubility in Water:INSOLUBLE  
Appearance and Odor:BLACK LIQUID  
Percent Volatiles by Volume:2.5  
Corrosion Rate:NP

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
INCOMPATIBLE W/STRONG OXIDIZERS,ACIDS,BASES,UNCONTROLLED MIX  
W/AMINES,ANHYDRIDES,MERCAPTANS,IMIDZOLES MAY CAUSE HAZ POLY  
Stability Condition to Avoid:AVOID S

TORAGE IN OPN CNTNR,EXPO TO OPN

FLAME/UNCNTRLD EXPO TO HEAT,UNCNTRLD MIXING W/CURE AGENTS,EXPO TO  
INCOMPAT SUBSTS

Hazardous Decomposition Products:FUMES/VAPORS FROM THERM/CHEM  
DECOMPOSITIONS MAY VARY WIDELY IN COMPOSITION AND TOXICITY.

Conditions to Avoid Polymerization:REVIEW REACTIVITY DATA CONCERNING  
CONDITIONS TO AVOID AND INCOMPATIBLE SUBSTANCES.

===== Disposal Considerations =====

Waste Disposal Methods:NO SARA SEC 313 SUBSTANCES.DISPOSE OF  
IAW  
CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

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