

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 Proc  
edures: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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