

EMERSON CUMING INC. SUB OF W R GRACE AND CO. -- CT-5047-2, PART A -- 8040-00-728-2887
===== Product Identification =====

Product ID:CT-5047-2, PART A
MSDS Date:04/28/1992
FSC:8040
NIIN:00-728-2887
Kit Part:Y
MSDS Number: BVZHB
=== 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
Emergency 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:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 70-80%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9394
EPA Rpt

Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:DGBA BROMINATED EPOXY RESIN
CAS:40039-93-8
Fraction by Wt: 15-25%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALIPHATIC GLYCIDYL ETHER
CAS:68609-97-2
Fraction by Wt: 3-7%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE-CONTAINS MATERIAL IRRITATING TO

THE EYE. SKIN-CONTAINS MATERIALS WHICH CAUSE MODERATE SKIN IRRITATION. PROLONGED/REPEATED EXPOSURE MAY EXERT A DEFATTING OR DRYING ACTION ON THE SKIN. INHALATION-HEATING CAN GENERATE VAPORS THAT MAY CAUSE RESPIRATORY IRRITATION. INGESTION-HARMFUL IF SWALLOWED.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:EYE-SYMPTOMS MAY INCLUDE BLURRED VISION, BURNING SENSATION & TEARING. SKIN-RASH, ITCHING, HIVES, SWELLING OF THE EXTREMITIES. INHALATION-NAUSEA AND HEADACHES.

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

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

First Aid:EYE-FLUSH EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN-REMOVE ANY CONTAMINATED CLOTHING & FLUSH AREA THOROUGHLY WITH PLENTY OF WATER. THEN WASH WITH SOAP & WATER. GET MEDICAL ATTENTION. INHALATION-REMOVE VICTIM TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS HARD. PERFORM CPR IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION-DILUTE BY GIVING WATER. GET MEDICAL AID.

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

Flash Point:>200F,>93C
Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.
Fire Fighting Procedures:FIREFIGHTERS/RESCUE PERSONNEL SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE EQUIPMENT. COOL EXPOSED CONTAINERS WITH WATER.
Unusual Fire/Ex

Explosion Hazard: DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. CLOSED CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE CONDITIONS.

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

Spill Release Procedures: ACTIVATE AVAILABLE EXHAUST VENTILATION EQUIPMENT IN SPILL AREA. WIPE UP OR ABSORB SPILLED MATERIAL WITH VERMICULITE OR OTHER SIMILAR MATERIAL. WASH AREA WITH SOAPY WATER TO REMOVE RESIDUE. COLLECT ABSORBED MATERIAL & WATER RINSE IN APPROPRIATE CANS.

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

Handling and Storage Precautions: STORE IN A COOL, DRY LOCATION WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE. KEEP AWAY FROM OPEN FLAME & HEAT SOURCES.

Other Precautions: CONSULT THE PRODUCT TECHNICAL BULLETIN FOR DETAILED STORAGE INFORMATION.

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

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

Ventilation: PROVIDE EFFECTIVE MECHANICAL EXHAUST VENTILATION TO DRAW VAPORS, MIST OR FUMES GENERATED DURING PROCESSING AWAY.

Protective Gloves: APPROPRIATE PROTECTIVE GLOVES.

Eye Protection: SAFETY/CHEMICAL GOGGLES, FACE SHIELD.

Other Protective Equipment: PROPER CHEMICAL RESISTANT APRON & ADDITIONAL IMPERVIOUS CLOTHING SHOULD BE USED TO PREVENT SKIN CONTACT.

Work Hygienic Practices: NORMAL WORK CLOTHING SHOULD BE WASHED BEFORE REUSE. WASH HANDS AND FACE THOROUGHLY AFTER HANDLING THIS PRODUCT.

Supplemental Safety and Health
THIS ITEM IS A "TWO" PART KIT.

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

HCC: N1

Boiling Pt: B.P. Text: ND

Vapor Pres: AIR

Spec Gravity: 3.4-3.5

Solubility in Water: INSOLUBLE

Appearance and Odor: GRAY-SILVER PASTE, MILD ODOR.

Percent Volatiles by Volume: NEGL

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS, ACIDS, BASES; UNCONTROLLED MIXING WITH AMINES, ANHYDRIDES, MERCAPTANS, IMIDAZOLES MAY CAUSE POLYMERIZE

Stability Condition to Avoid: AVOID STORAGE IN OPEN CONTAINERS, EXPOSURE TO OPEN FLAMES OR UNCONTROLLED EXPOSURE TO HEAT, UNCONTROLLED MIXING.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES, SILVER COMPOUNDS, PHENOLS, ACIDS & OTHER ORGANIC SUBSTANCES MAY BE FORMED.

Conditions to Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NOT OCCUR, HOWEVER, REVIEW REACTIVITY DATA CONCERNING CONDITIONS TO AVOID.

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

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

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