

EMERSON CUMING INC. SUB OF W R GRACE AND CO. -- CT-5047-2,PART A -- 8040-00-800-1811

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

Product ID:CT-5047-2,PART A

MSDS Date:04/28/1992

FSC:8040

NIIN:00-800-1811

Kit Part:Y

MSDS Number: BVTYX

=== 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:DGEBA EPOXY RESIN

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 =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &
GI TRACTS. ACUTE- EYE/SKIN:MAY BE IR
RITATING. PROLONGED/REPEATED
SKIN CONTACT MAY EXERT DEFATTING, DERMATITIS, SENSITIZATION.
INHALE:HEATING GENERATES VAPORS THA T CAUSES RESPIRATORY TRACT
IRRITATION. ORAL:HARMFUL IF INGESTED. CHRONIC- DERMATITIS,
BLUE-GRAY DISCOLORATION OF SKIN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION OF EYES, SKIN, RESPIRATORY TRACT;
BLURRED VISION, BURNING SENSATION OF EYES AND TEARING; SKIN
DEFATTING, RASH, ITCHING, HIVES, SWELLING OF EXTREMITIES, NAUSEA,
HEADACHE, SKIN SENSITIZATION/ ALLERGIC SKIN REACTIONS WHICH MAY BE
SEVERE IN CERTAIN INDIVIDUALS
Medical Cond Aggravated by Exposure:THIS PRODUCT MAY ENHANCE ALLERGIC
CONDITIONS ON CERTAIN PEOPLE.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15
MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO
NOT
IN DUCE VOMITING. IF CONSCIOUS, DRINK LARGEAMOUNT OF WATER. GET
MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTIHING BY MOUTH TO AN
UNCONSCIOUS PERSON.

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

Flash Point:>200F,>93C
Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unus

ual Fire/Explosion Hazard:MAY FORM TOXIC COMBUSTION PRODUCTS.

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

Spill Release Procedures:VENTILATE AREA. WIPE UP OR ABSORB SPILLED MATERIAL WITH VERMICULITE OR OTHER SIMILAR MATERIAL. WASH AREA WITH SOAPY WATER TO REMOVE RESIDUE. COLLECT ABSORBED MATERIAL AND WATER RINSES IN APPROPRIATE C ONTAINERS FOR LATER RECLAMATION OR DISPOSAL.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage ===
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Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA, AWAY FROM OPEN FLAMES & INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRY BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:

IF WORKING IN A CONFINED AREA OR FIGHTING FIRE, USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE, OPERATED IN POSITIVE PRESSURE MODE.

Ventilation:MECHANICAL (GENERAL) IS RECOMMENDED. LOCAL EXHAUST MAY BE NEEDED IF PRODUCT IS HEATED.

Protective Gloves:RUBBER OR PLASTIC

Eye Protection:SAFETY GLASSES

Other Protective Equipment:SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY. CHEMICAL-RESISTANT APRON AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

KEY1:T6. THIS PRODUCT IS A KIT CONSISTING OF TWO PARTS. PART A HAS PNI A; PART B HAS PNI B, SAME NSN.

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

HCC:B2

NRC/State Lic Num:NOT RELEVANT

Vapor Pres:1

Spec Gravity:3.4 - 3.5

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY-SILV

ER PASTE, MILD ODOR
Percent Volatiles by Volume:NEGLIG

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES, AMINES,
ANHYDRIDES, MERCAPTANS, IMIDAZOLES
Stability Condition to Avoid:STORAGE IN OPEN CONTAINERS, EXPOSURE TO
OPEN FLAME, EXCESSIVE HEAT, UNCONTROLLED MIXING WITH CURING AGENTS
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
ALDEHYDES, SILVER COMPOUNDS, PHENOLS, ACIDS AND OTHER ORGANIC
SUBSTANCES
Conditions to Avoid Polymerization:UNCONTROLLED MIXING WITH AMINES,
ANHYDRIDES, MERCAPTANS, IMIDAZOLES

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

Waste Disposal Methods:ALL LOCAL, STATE AND FEDERAL REGULATIONS
CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED
DISPOSAL PROCEDURES. CONSIDER RECYCLING.

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