

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

Product ID:CT-5047-2,PART B
MSDS Date:04/28/1992
FSC:8040
NIIN:00-800-1811
Kit Part:Y
MSDS Number: BVTYY
=== 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:617-828-3
300
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:PROPOXYLATED TRIETHYLENE-TETRAMINE
CAS:26950-63-0
Fraction by Wt: 65 - 75%
Other REC Limits:NONE RECOMMENDED

Ingred Name:TRIETHYLENE TETRAMINE
CAS:112-24-3
RTECS #

:YE6650000

Fraction by Wt: 25 - 35%

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:CORROSIVE. MAY CAUSE SEVERE BURNS. HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SENSITIZATION.

INHALE:MAY CAUSE RESPIRATORY SENSITIZATION. ORAL:HARMFUL IF INGESTED. MAY CAUSE BURNS TO UPPER GI TRACT. CHRONIC- MAY CAUSE LIVER & KIDNEY INJURY.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION OF EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS; CORNEAL INJURY, BLINDNESS, SKIN BLISTERING, TIGHTNESS OF THE CHEST, ASTHMA-LIKE SYMPTOMS, RESPIRATORY DISTRESS, SKIN SENSITIZATION/ALLERGIC SKIN REACTIONS WHICH MAY BE SEVERE IN CERTAIN INDIVIDUALS

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Medical Cond Aggravated by Exposure:THIS PRODUCT MAY ENHANCE ALLERGIC CONDITIONS ON CERTAIN PEOPLE.

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

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

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

Flash Point:>200F,>93C

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MAY FOR

M TOXIC COMBUSTION PRODUCTS.

CLOSED CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE CONDISIONS.

===== 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 DISPOSAL.

Neutralizing Agent:NOT RELEVANT

===== Handling a
nd Storage =====

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. LAUNDER BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

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

Re
spiratory 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:USE GENERAL OR LOCAL EXHAUST VENTILATION TO DRAW VAPORS, MISTS OR FUMES GENERATED DURING PROCESSING AWAY FROM WORKERS.

Protective Gloves:RUBBER OR PLASTIC

Eye Protection:SPLASH-PROOF CHEMICAL GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE WASH FOUNTAIN SH
OULD

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:C2. 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

Boiling Pt:>204.4C, 400.F

Vapor Pres: