

EMERSON CUMING INC. SUB OF W R GRACE AND CO. -- ECCOBOND TP-50,PART A --
5970-01-288-2972

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

Product ID:ECCOBOND TP-50,PART A

MSDS Date:10/22/1993

FSC:5970

NIIN:01-288-2972

Kit Part:Y

MSDS Number: BWSXX

=== 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:INGREDIENTS 2-4 COMPRISE 40-50% OF THIS PRODUCT

Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICONE RESIN

Other REC Limits:NONE RECOMMENDED

Ingred Na

me:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:ETHYL SILICATE

CAS:78-10-4

RTECS #:VV9450000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:10 PPM; 9394

Ingred Name:ALUMINUM OXIDE

CAS:1302-74-5

RTECS #:GN0231000

Fraction by Wt: 50-60%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 RESP. DUST

ACGIH TLV:10 MG AL*2O*3/M3

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Hazards I
dentification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION.INGEST:MAY BE HARMFUL IF SWALLOWED.INHAL:HEATED
VAPORS AND DUST FROM CURED PRODUCT MAY CAUSE RESPIRATORY
IRRITATION.CHRONIC:ETHYL SILICATE MAY CAUSE KIDNEY DAMAGE AT
100PPM;ABOVE 400PPM,MAY DAMAGE LIVER,KIDNEYS AND LUNGS.

Explanation of Carcinogenicity:

THERE ARE NO INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:EYES:BLURRED VISION,BURNING,TEARING.

Medical Cond Aggravated by Exposure:MFR STATES NO DATA AVAILABLE.

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First Aid Measures =====

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;FLUSH WITH WATER;WASH WITH
SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO
FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.

INGEST:DO

NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE PLENTY OF WATER TO DILUTE STOMACH CONTENTS.

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

Flash Point:>200F,>93C

Extinguishing Media:WATER FOG,DRY CHEMICAL,CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST AT ELEVATED TEMPERATURES.DECOMPOSITION PRODUCTS MAY BE TOXIC.

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

Spill Release Procedures:USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.USE SOAPY WATER TO WASH SPILL AREA.AVOID RUNOFF INTO WATERWAYS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.

Other Precautions:FOLLOW LABEL DIRECTIONS.

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.

Ventilation:USE GENERAL DILUTION VENTILATION.

Protective Gloves:CHEMICALLY RESISTANT

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment

:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

KEY1;N1.

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

HCC:N1

Vapor Density:>1

Spec Gravity:1.7-2.1

Solubility in Water:INSOLUBLE

Appearance and Odor:WHITE PASTE.ODOR NOT REPORTED.

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

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Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS, ACIDS, BASES.

Stability Condition to Avoid: HIGH HEAT, FLAMES, STORAGE IN OPEN
CONTAINERS.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES
OF ALUMINUM AND SILICON, UNIDENTIFIED ORGANIC COMPOUNDS.

Conditions to Avoid Polymerization: AVOID UNCONTROLLED MIXING WITH
CURING AGENTS OR INCOMPATIBLE MATERIALS.

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

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

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