

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

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

Product ID:ECCOBOND TP-50,PART B

MSDS Date:09/29/1993

FSC:5970

NIIN:01-288-2972

Kit Part:Y

MSDS Number: BWPGQ

=== 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:ALUMINUM OXIDE

CAS:1302-74-5

RTECS #:GN0231000

Fraction by Wt: 30-40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 RESP. DUST

ACGIH TLV:10 MG AL*20*

Ingred Name:SILICONE RESIN
Fraction by Wt: 50-60%
Other REC Limits:NONE RECOMMENDED

Ingred Name:IRON OXIDE
CAS:1309-38-2
RTECS #:OM4800000
Fraction by Wt: 5-7%
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIBUTYLTINBUTOXYCHLORIDE
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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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 SEVERE

IRRITATION.SKIN:MAY CAUSE IRRITATION.ORGANOTIN COMPOUNDS MAY BE
DERMALLY ABSORBED IN HARMFUL AMOUNTS.INGEST:MAY BE HARMFUL IF
SWALLOWED.INHAL:HEATED VAPORS MAY CAUSE RESPIRATORY
IRRITATION.CHRONIC:ETHYL SILICATE MAY CAUSE KIDNEY DAMAGE AT
100PPM;ABOVE 400PPM,MAY DAMAGE

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.SKIN:DERMATITIS,ITCHING,REDNESS,SWELLING.
INHAL:NAUSEA,HEADACHES.

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

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First Aid Measures
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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.IF LARGE QUANTITIES ARE INVOLVED,GET FAR AWAY.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST AT ELEVATED TEMPERATURES.DECOM POSITION 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 Precaution

s: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:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON THE AIRBORN CONCENTRATION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

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 Propert

ies =====

HCC:N1

Vapor Pres:NEGLIGIBLE

Spec Gravity:1.3-1.7

Solubility in Water:INSOLUBLE

Appearance and Odor:LIQUID;RED.ODOR NOT REPORTED.

Percent Volatiles by Volume:NEGLIG

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

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 SILI

CON,UNIDENTIFIED ORGANIC COMPOUNDS.

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

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

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

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