

EMERSON & CUMING, INC. A GRACE CO. -- CATALYST 15 CLEAR -- 8040-00-148-7183

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

Product ID:CATALYST 15 CLEAR

MSDS Date:11/06/1989

FSC:8040

NIIN:00-148-7183

Kit Part:Y

MSDS Number: BJXGR

=== Responsible Party ===

Company Name:EMERSON & CUMING, INC. A GRACE CO.

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888

Country:US

Info Phone Num:617-935-4850 OR 617-938-863

0

Emergency Phone Num:617-935-4850 OR 617-938-8630

Preparer's Name:DAVID HAAS

CAGE:DO244

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:EMERSON & CUMING INC DIV/W R GRACE CO

Address:117 DRAGON COURT

City:AUOBURN

State:MA

ZIP:01888

Phone:(617) 935-4850 OR (617) 938-8630

CAGE:DO244

Company Name:GRACE W R & CO EMERSON & CUMING DEWEY & ALMY CH

EM  
Address:869 WASHINGTON ST  
City:CANTON  
State:MA  
ZIP:02021-2513  
Country:US  
Phone:617-935-4850  
CAGE:04552

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Composition/Information on Ingredients  
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Ingred Name:POLYAMIDE RESIN  
Fraction by Wt: > 90%  
Other REC Limits:NONE SPECIFIED

Ingred Name:TRIETHYLENE TETRAMINE  
CAS:112-24-3  
RTECS #:YE6650000  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED

Ingred Name:TERPHENYLS  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.5 PPM (CEILING)  
ACGIH TLV:0.5 PPM  
(CEILING)

Ingred Name:MODIFIERS  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Health Hazards Acute and Chronic:REPEATED OVEREXPOSURE TO TRIETHYLENE  
TETRAMINE IS REPORTED TO CAUSE LIVER AND KIDNEY DAMAGE. THIS  
MATERIAL MAY BE TOXIC IF ABSORBED THROUGH THE SKIN.  
Effects of Overexposure:INHALATION MAY CAUSE RESPIRATORY IRRITATION AND  
RESPIRATORY SENSITIZ

ATION. EYE CONTACT: VERY SEVERE IRRITATION UPON CONTACT. CAN CAUSE PERMANENT DAMAGE OR BLINDNESS. SKIN CONTACT: SEVERE IRRITATION UP ON DIRECT CONTACT. MAY RESULT IN BURNS, TISSUE DAMAGE AND SKIN SENSITIZATION. INGESTION: HARMFUL IF SWALLOWED.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT, ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION. EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER. CONTINUE FLUSHING UNTIL MEDICAL ATTENTION IS OBTAINED. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING, WASH AFFECTED AREA WITH SOAP AND WATER. INGESTION: DILUTE WITH LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method: CC  
Flash Point: >300F / >149C  
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.  
Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard: TOXIC VAPORS MAY BE EVOLVED UPON EXPOSURE TO HEAT OR OPEN FLAME.

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

Spill Release Procedures: TURN ON VENT EQUIPMENT TO EVACUATE VAPORS THAT MAY BE RELEASED IN THE IMMEDIATE AREA OF SPILL. WIPE UP / ABSORB WITH VERMICULITE / OTHER ABSORBENT MATERIAL. COLLECT IN SEALED CONTAINERS. PREVENT ENTERING DRAINS / WATERWAYS. SHOVEL / PUMP TO DRUM / SALVAGE TANK. DISPOSE PER REGULATIONS.

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

Handling and Storage Precautions: STORE IN COOL, DRY PLACE. KEEP AWAY FROM ANY HEAT OR OPEN FLAME.  
Other Precautions: FLAMMABILITY / EXPLOSION PRECAUTIONS: KEEP AWAY FROM INTENSE HEAT, OPEN FLAMES. PROTECTIVE GLOVES, CLOTHING AND CHEMICAL SPLASH GOGGLES MUST BE WORN DURING ENTIRE CLEAN-UP OPERATIONS TO PREVENT RESPIRATORY OR EYE IRRITATION.

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

Respirator

ory Protection:WEAR AN APPROPRIATE PROPERLY FITTED RESPIRATOR  
WHEN CONTAMINANT LEVELS EXCEED THE RECOMMENDED EXPOSURE LIMITS.

Ventilation:DO NOT BREATH VAPORS,MIST OR SPRAY. USE ONLY WITH PROPER  
MECHANICAL EXHAUST VENTILATION.

Protective Gloves:WEAR PROPER PROTECTIVE GLOVES

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING TO PREVENT  
EXPOSURE.

Work Hygienic Practices:REMOVE CONTAMINATED CLOTHING AND WASH BEFORE  
REUSING. DO NOT INGEST  
OR SWALLOW THIS MATERIAL.

Supplemental Safety and Health

TRIETHYLENE TETRAMINE MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN;  
HOWEVER, THIS PRODUCT AS A WHOLE HAS NOT BEEN TESTED FOR DERMAL  
TOXICITY.

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

Vapor Density:> THAN AIR

Spec Gravity:0.95-1.05

Appearance and Odor:YELLOW LIQUID

Percent Volatiles by Volume:NEGLIG

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

Stability Indicator/Materials to Av

oid:YES

STRONG OXIDIZERS, PEROXIDES, ACIDS, EPOXIDES.

Stability Condition to Avoid:STORAGE IN OPEN CONTAINERS,EXPOSURE TO  
HEAT/OPEN FLAME,UNCONTROLLED MIXING WITH (OR EXPOSURE  
TO)INCOMPATIBLE SUBSTANCES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,  
OXIDES OF NITROGEN.

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

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

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ith this information by the compiling agencies):

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