

EMERSON CUMING INC. -- CATALYST 24LV -- 5970-01-015-2097

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

Product ID:CATALYST 24LV

MSDS Date:01/17/1996

FSC:5970

NIIN:01-015-2097

Kit Part:Y

MSDS Number: CHKYB

=== Responsible Party ===

Company Name:EMERSON CUMING INC.

Address:55 HAYDEN AVE

City:LEXINGTON

State:MA

ZIP:02173

Country:US

Info Phone Num:617-402-9100/617-861-6600

Emergency Phone Num:800-424-9300(CHEMT  
REC)

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

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

Address:869 WASHINGTON ST

City:CANTON

State:MA

ZIP:02021-2513

Country:US

Phone:617-935-4850

CAGE:04552

===== Composition/Information on Ingredients =====

Ingred Name:POLYGLYCOL DIAMINE

Fraction by Wt: 100%

Oth

er REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:EYE:CORRO,BURNS,CORNEAL INJURY.PERM

IMPAIRMENT OF VISION,BLINDNESS.SKIN:CORRO,SEVERE

BURNS,BLISTERING.SKIN SENS/ALLERGIC RX-SEVERE IN CERTAIN

PEOPLE.HARMFUL IF ABSORBED THRU SKIN.INHAL:VAP IRRIT

,NAU,H

EADACHE.INEST:HARMFUL,BURNS MOUTH/UPPERGASTROINTESTINAL

TRACT.CHRONIC:NONE KNOWN.

Effects of Overexposure:EYE CORRO,BURNS,CORNEAL INJURY,PERM IMPAIRMENT

OF VISION,BLINDNESS.SKIN CORR,SEVERE BURNS,BLISTERING.SKIN

SENS/ALLERGIC RX.NAU,HEADCHE.HARMFUL IF INGEST,BURNS MOUTH/UPPER GI

TRACT.

Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PRE-EXISTING

SKIN &/OR EYE DISORDERS.

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

First Aid:EYE:

IMMED FLUSH WELL W/H2O @LEAST 15MINS WHILE EYELIDS

OPN.GET IMMED MED ATTN.SKIN:IMMED FLUSH W/LOTS OF H2O WHILE REMOVE

CONTM CLOTH/SHOES.THEN WASH WELL W/SOAP/H2O.AVOID SCRUB-INCR

ABSORPT/WORSEN EF FECT.GET MED ATTN.INHAL:MOVE TO FRESH

AIR.CONSC/ALERT DIL BY GIVING H2O TO DRINK.NEVER GIVE ANYTHING BY

MOUTH IF DROWSY/UNCONSC/CONVULS.GET IMMED MED ATTN.

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

Flash Point Method:PMCC

Flash Point:260F,127C

Lower Limi

ts:NE

Upper Limits:NE

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

Fire Fighting Procedures:FIREFIGHTERS/RESCUE PERSONNEL SHOULD WEAR

+PRESSURE SCBA & FULL PROT EQPMT.COOL EXPO CNTNRS W/WATER-PREVENT

PRESSURE BUILDUP.LG QUANT MATL INVOLVED (SUPPLEMENT)

Unusual Fire/Explosion Hazard:DECOMPO/COMBUST PROD MAY BE TOXIC.CLOSED

CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE CONDITIONS.

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

Spill Releas

e Procedures:RESPONSE OPERATION MUST BE CONDUCTED IAW  
PROVISIONS OF 29CFR1910.120.REVIEW ENTIRE MSDS BEF PROCEEDING  
W/RESPONSE.ACTIVATE AVAI EXHAU VENTI IN IMMED AREA.WIPEUP/ABSORB  
W/VERMI/SIMILAR MATL.WASH AREA W /SOAPY H2O-REMOVES RESIDUE.COLLECT  
ABSORBED (SUPP)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL DRY LOCATION W/ADEQU  
VENTI.KEEP CNTRN TIGHTLY S  
EAL WHEN NOT IN USE.KEEP AWAY FRM OPN  
FLAME/HEAT SOURCES.

Other Precautions:CONSULT PROD TECHN BULLETIN FOR DETAIL STORAGE INFO.

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

Respiratory Protection:USE APPROPRIATE PROPERLY FITTED RESPIRATOR IF  
EXPOSURES EXCEED PEL/TLV VALUES.TYPE OF PROTECTION  
SELECTED(SCBA,AIR-PURIFYING,ETC)WILL DEPEND UPON CONDITIONS OF  
USE.OBSERVE OSHA REGS FOR RESPIRATORY PR OTECTION (29CFR1910.134).

Ventilation:PROVIDE SUFFI MECH EXHU  
VENTI-DRAW VAP/MIST/FUME FRM  
PROCESSES AWAY FRM WORKER,ESPEC HI TEMP WORK.

Protective Gloves:APROPR PROTECTIVE GLOVES

Eye Protection:FCSHLD W/SPLA PROOF CHEM GOG/CHEM SAF GL

Other Protective Equipment:PROPER CHEM-RESIST APRON,ADDN IMPERV  
CLOTH.EMERG EYEWASH FACI,SAFETY SHOWER AVAI.WASH BEF  
EAT/DRINK/SMOKE.

Work Hygienic Practices:DONT REUSE CONTAM CLOTH TIL PROPERLY  
CLEAN.CONTAM LEATHER ART/SHOES CANT BE DECONTAM-DESTROY.WASH  
HAND/FC WELL AFT HNDLG

Supplemental Safety and He  
alth

FIREFIGHT:EVACUATE AREA,FIGHT FIRE FROM SAFE DISTANCE. DECOMPO  
PRODS:WILL VARY DEPENDING ON COMBUST CONDITIONS. SPILL:MATL/WATER  
RINSES IN APPROP CNTNR.DISPO OF IAW CURRENT FED/STATE/LOC  
REGS.LG:LIMIT ACCESS.SHUT OFF W/O RISK.ACTIVATE VENTI.DIKE/PREVENT  
ENTRY SEWER/DRAIN/WATERWAYS.COLLECT/DISPO IAW CURRENT FED/STATE/LO

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

HCC:N1

Boiling Pt:B.P. Text:>480F,>249C

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Dec

omp Text:NP  
Vapor Pres:AIR  
Spec Gravity:1.00  
pH:NP  
Evaporation Rate & Reference:NP  
Solubility in Water:SOLUBLE  
Appearance and Odor:AMBER LIQUID, AMINE ODOR  
Percent Volatiles by Volume:ND  
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS,ACIDS,BASES,EPOXIDES.  
Stability Condition to Avoid:AVOID STORAGE IN OPN CNTNR,EXPO TO OPN  
FLAMES,UNCNTRLD EXPO TO HEAT/UNCNTRLD MIX W/EPOXIES OR EXPO TO

INCOMPAT SUBSTANCE

Hazardous Decomposition Products:CO,CO2,OXIDES OF NITROGEN,AMINES,OTHER  
ORG SUBST MAY BE FORM DURING COMBUST.CHEM NATURE/QUANT OF DECOMPO  
BYPRODS(SUPPLE)  
Conditions to Avoid Polymerization:UNCONTROLLED MIXING  
W/AMINES,ANHYDRIDES,MERCAPTANS,IMIDAZOLES MAY CAUSE HAZ  
POLYMERIZATON.

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

Waste Disposal Methods:DOESNT CONTAIN ANY SUBSTANCES REG BY SARA SEC  
313.DISPOSE OF IAW CURRENT LOCAL, STATE AN  
D FEDERAL REGULATIONS.

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