

EMERSON & CUMING -- CATALYST 9 -- 8040-00-132-0317

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

Product ID:CATALYST 9

MSDS Date:06/12/1995

FSC:8040

NIIN:00-132-0317

MSDS Number: CFCZX

=== Responsible Party ===

Company Name:EMERSON & CUMING

Address:77 DRAGON COURT

City:WOBURN,

State:MA

ZIP:01888

Country:US

Info Phone Num:800-424-9300 (CHEMTREC)

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's Name:DAVID HAAS

CAGE:0VVR7

=== Contractor Identification ===

Company Name

:EMERSON & CUMING INC

Address:77 DRAGON COURT

Box:City:WOBURN

State:MA

ZIP:01888

Country:US

Phone:617-935-4850;617-938-8630

CAGE:0VVR7

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

Ingred Name:TETRAETHYLENE PENTAMINE

CAS:112-57-2

RTECS #:KH8585000

Fraction by Wt: 60-70%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TRIETHYLENE-TETRAMINE

CAS:26950-63-0

Fraction by Wt: 20-30%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PENTAETHYLENE HEXAMINE

Fraction by Wt: 10.0%

Other

REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: CORROSION, (BURN, CORNEAL INJURY, BLINDNESS). SKIN: CORROSION, BURN, BLISTER, SENSITIZATION, ALLERGIC REACTION, ABSORPTION. INHAL: IRRITATION, NAUSEA, HEADACHE, SENSITIZATION, (TIGHTNESS OF CHEST , ASTHMA-LIKE SYMPTOMS, RESPIRATORY DISTRESS). INGEST: BURNS.
Medical Cond Aggravated by Exposure:SKIN, EYE & RESPIRATORY DISORDERS.

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

First Aid:EYE: IMMED FLUSH THOROUGHLY W/WATER FOR >15 MINUTES, LIFT LIDS. GET IMMED MED AID. SKIN: IMMED FLUSH W/PLENTY OF WATER. REMOVE CONTAM CLOTHES/SHOES. WASH W/SOAP & WATER. DONT SCRUB SKIN, GET IMMED MED AID. INHAL: GET FRESH AIR, SUPPORT BREATHING AS NEEDED, GET IMMED MED AID. INGEST: DONT INDUCE VOMIT, DRINK WATER.
NEVER GIVE ANYTHING BY MOUTH TO DROWSY, UNCONSCIOUS, CONVULSING PERSON. GET MED AID.

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

Flash Point:>200F,>93C
Lower Limits:NE
Upper Limits:NE
Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.
Fire Fighting Procedures:WEAR POSITIVE PRESSURE SCBA & FULL PORTECTIVE EQUIPMENT. COOL FIRE EXPOSED CNTNRS W/WATER TO PREVENT PRESSURE BUILDUP. IF LARGE AMMOUNTS ARE INVOLVED EVACUATE.
Unusual Fire/Explosion Hazard:DECOMPOSITION & COMBUSTION PRODUCTS MAY BE TOXIC. CLOSED CONTAINER MAY RUPTURE IN FIRE.

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

Spill Release Procedures:VENTILATE AREA. WIPE UP. ABSORB. WASH W/SOAPY WATER. CONTAINERIZE. LARGE SPILL: EVACUATE AREA. STOP SPILL IF SAFE. VENTILATE AREA. DIKE. CONTAINERIZE. ABSORB RESIDUE. WASH AREA W/SOAPY WATER. CONTAINERIZE.

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

Hand

ling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE
& AWAY FROM IGNITION SOURCES, CURING AGENTS & OTHER INCOMPATIBLE
MATERIALS.

Other Precautions:STORE IN COOL, DRY PLACE W/GOOD VENTILATION.

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

Respiratory Protection:USE APPROPRIATE PROPERLY FITTED RESPIRATOR.
(SCBA OR AIR-PURIFYING).

Ventilation:MECHANICAL EXHAUST

Protective Gloves:NITRILE.

Eye Protection:SPLASH-PROOF GOGGLES, FACE SHIELD.

Other Protec

tive Equipment:CHEMICAL RESISTANT APRON, IMPERVIOUS
CLOTHING.

Work Hygienic Practices:WASH CLOTHES BEFORE REUSE. DESTROY LEATHER
GOODS. WASH HANDS/FACE AFTER HANDLING & BEFORE EATING, DRINKING OR
SMOKING.

Supplemental Safety and Health

NK

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

Boiling Pt:B.P. Text:604F,318C

Vapor Pres:AIR.

Spec Gravity:0.99

Solubility in Water:SOLUBLE.

Appearance and Odor:AMBER LIQUID, AMINE ODOR.

Percent Volatiles by Volume:NE

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACIDS, BASES & EPOXIDES.

Hazardous Decomposition Products:CO, CO2, OXIDES OF NITROGEN, AMINES &
OTHER ORGANIC SUBSTANCES.

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