

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

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Product Identification
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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:DAV
ID 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

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Composition/Information on Ingredients
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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 RECOMMENDE

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Ingred Name:PENTAETHYLENE HEXAMINE

Fraction by Wt: 10.0%

Other REC Limits:NONE RECOMMENDED

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===== 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.

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

First Aid:EYE: IMMEDIATELY FLUSH THOROUGHLY WITH WATER FOR >15 MINUTES, LIFT LIDS. GET IMMEDIATE MEDICAL AID. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHES/SHOES. WASH WITH SOAP & WATER. DO NOT SCRUB SKIN, GET IMMEDIATE MEDICAL AID. INHAL: GET FRESH AIR, SUPPORT BREATHING AS

NEEDED, GET IMMEDIATE MEDICAL AID. INGEST: DO NOT INDUCE VOMIT, DRINK WATER. NEVER GIVE ANYTHING BY MOUTH TO DROWSY, UNCONSCIOUS, CONVULSING PERSON. GET MEDICAL AID.

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===== 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 PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER TO PREVENT PRESSURE

BUILDUP. IF LARGE AMOUNTS ARE INVOLVED EVACUATE.

Unusual Fire/Explosion Hazard:DECOMPOSITION & COMBUSTION PRODUCTS MAY BE TOXIC. CLOSED CONTAINER MAY RUPTURE IN FIRE.

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

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

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Handling and Storage
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Handling 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.

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

Ventilation:MECHANICAL EXHAUST

Protective Gloves:NITRIL

E.

Eye Protection:SPLASH-PROOF GOGGLES, FACE SHIELD.

Other Protective 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

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Physical/Chemical Properties
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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
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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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