View NSN Online: https://aerobasegroup.com/nsn/5970-00-787-8319

EMERSON AND CUMING -- CATALYST 9 -- 5970-00-787-8319

Product ID:CATALYST 9 MSDS Date:12/31/1998

FSC:5970

NIIN:00-787-8319

Kit Part:Y

MSDS Number: CKTDW === Responsible Party ===

Company Name: EMERSON AND CUMING

Address:46 MANNING ROAD

City:BILLERICA

State:MA ZIP:01821 Country:US

Info Phone Num:978-436-9781

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS

Num.:600008

Preparer's Name: DAVID HAAS Chemtrec Ind/Phone: (800)424-9300

CAGE:UO004

=== Contractor Identification ===

Company Name: EMERSON AND CUMING

Address:46 MANNING ROAD

Box:City:BILLERICA

State:MA ZIP:01821 Country:US

Phone:978-436-9781

CAGE:UO004

Company Name: MCKEOWN ROBERT CO. INC.

Address:111 CHAMBERS BROOK RD.

Box:City:SOMERVILLE

State:NJ ZIP:08876 Country:US

Phone:908-218-9000

Contract Num:SP0430-00-M-H664

CAGE:7B953

Company Name: MCKEOWN ROBERT CO. INC.

Address:111 CHAMBERS BROOK RD.

Во

x:City:SOMERVILLE State:NJ ZIP:08876 Country:US Phone:908-218-9000 Contract Num:SP0430-00-Q-G225 CAGE:7B953 Company Name: MCKEOWN ROBERT CO. INC. Address:111 CHAMBERS BROOK RD. Box:City:SOMERVILLE State:NJ ZIP:08876 Country:US Phone:908-218-9000 Contract Num:SP0430-01-M-H935 CAGE:7B953 Company Name: MCKEOWN ROBERT CO. INC. Address:111 CHAMBERS BROOK RD. Box:City:SOMERVILLE State:NJ ZIP:08876 Country:US Phone:908-218-9000 Contract Num:SP0430-01-M-H949 CAGE:7B953 ======= Composition/Informat ion on Ingredients ======= Ingred Name: TETRAETHYLENE PENTAMINE Minumum % Wt:60. Maxumum % Wt:70. Other REC Limits:NOT PROVIDED Ingred Name:TRIETHYLENE TETRAMINE Minumum % Wt:20. Maxumum % Wt:30. Other REC Limits:NOT PROVIDED Ingred Name: PENTAETHYLENE HEXAMINE = Wt:10.Other REC Limits: NOT PROVIDED

LD50 LC50 Mixture: NOT PROVIDED

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

Reports of Carcinogenicity:NTP:NO

IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: CORROSIVE; MAY CAUSE BURNS, CORNEAL INJURY, PERMANENT IMPAIRMENT OF VISION, BLINDNESS. SKIN: CORROSIVE; MAY CAUSE SEVERE BURNS, BLISTERING, SEVERE SKIN SENSITIZATION/ALLERGIC SKIN REACTIONS. HAR MFUL IF ABSORBED THROUGH SKIN. INHALATION: VAPORS MAY CAUSE IRRITATION, NAUSEA, HEADACHES. MAY CAUSE RESPIRATORY SENSITIZATION RESPONSES IN SUSCEPTIBLE INDIVIDUALS; REACTIONS MAY BE SEVERE IN SOME CAS ES. SYMPTOMS MAY

BE DELAYED. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE BURNS TO MOUTH, UPPER GI TRACT. CHRONIC: REPEATED OVEREXPOSURE TO POLYETHYLENE POLYAMINES REPORTED TO CAUSE LIVER AND KIDNEY INJURY IN TESTS ON LAB ANIMALS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: MAY CAUSE BURNS, BLINDNESS. SKIN: MAY CAUSE SEVERE BURNS, BLISTERING, SEVERE SKIN SENSITIZATION/ALLERGIC SKIN REACTIONS. INHALATION: VAPORS MAY CAUSE IRRITATION, NAUSEA, HEADACHES. MAY CAUSE RES PI

RATORY SENSITIZATION RESPONSES IN SUSCEPTIBLE INDIVIDUALS; INGESTION: MAY CAUSE BURNS TO MOUTH, UPPER GI TRACT.

Medical Cond Aggravated by Exposure: EXPOSURE MAY AGGRAVATE PREEXISTING SKIN, EYE AND/OR RESPIRATORY DISORDERS.

First Aid:EYE: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL HELP. SKIN: FLUSH AREA WITH PLENTY OF WATER, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. FOLLO W BY WASHING

WITH SOAP A ND WATER. AVOID SCRUBBING, THIS COULD INCREASE SKIN ABSORPTION AND WORSEN THE EFFECT. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RE SPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE WATER TO DRINK BUT NEVER GIVE ANYTHING BY MOUTH TO A DROWSY, UNCONSCIOUS, OR CONVULSING PERSON, GET MEDICAL A TTENTION IMMEDIATELY.

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

Flash Point:>93.3C, 200.F Lower Limits:NOT ESTABLIS Upper Limits:NOT ESTABLIS

Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.
Fire Fighting Procedures:FIREFIGHTER/RESCUE PERSONNEL SHOULD WEAR
POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL
PROTECTIVE EQUIPMENT. COOL EXPOSED CONTAINERS WITH WATER TO PREVENT
PRESSURE BUILDUP. IF LARGE QU ANTITIES OF MATERIAL ARE INVOLVED,
EVACUATE AREA AND FIGHT FI

RE FROM A SAFE DISTANCE. Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. CLOSED CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE CONDITIONS.
======== Accidental Release Measures =========
Spill Release Procedures:ACTIVATE AVAILABLE EXHAUST VENTILATION EQUIPMENT IN SPILL AREA. SHUT OFF SOURCE OF SPILL. DIKE TO PREVENT RELEASES TO SEWERS, DRAINS, WATERWAYS. COLLECT, WIPE UP/ABSORB SPILLED MATERIAL WITH VERMICUL ITE/OTHER MATE RIAL. WASH AREA WITH
SOAPY WATER TO REMOVE RESIDUE. COLLECT ABSORBED MATERIAL AND WATER RINSES IN APPROPRIATE CONTAINER FOR DISPOSAL. PREVENT RUNOFF FROM ENTERING SEWER OR WATERWAYS.
Neutralizing Agent:NOT RELEVANT
=========== Handling and Storage ============
Handling and Storage Precautions:EMPLOYEES MUST BE PROPERLY TRAINED IN SAFE HANDLING OF PRODUCT PRIOR TO USE. STORE IN A COOL, DRY LOCATION WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY SEAL ED
WHEN NOT IN USE. KEEP AWAY FROM OPE N FLAMES AND HEAT SOURCES. CONSULT THE PRODUCT TECHNICAL BULLETIN FOR DETAILED STORAGE INFORMATION
Other Precautions:BECAUSE USAGE CONDITIONS VARY DEPENDING ON APPLICATION, SPECIFIC SAFE HANDLING PROCEDURES SHOULD BE DEVELOPED BY A PERSON KNOWLEDGEABLE IN THE INTENDED USAGE CONDITIONS AND EQUIPMENT. DO NOT REUSE CO NTAMINATED CLOTHING UNTIL PROPERLY

CLEANED. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT B E **DECONTAM**

INATED.

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

Respiratory Protection: USE AN APPRIPRIATE, PROPERLY FITTED RESPIRATOR IF SYMPTOMS OF EXPOSURE APPEAR. THE TYPE OF RESPIRATORY PROTECTION SELECTED (SCBA, AIR-PURIFYING ETC.) WILL DEPEND ON THE CONDITIONS OF USE. OBSERVE OSHA REGULATIONS FOR RESPIRATORY PROTECTION (29 CFR 1910.134). PROTECTIVE EQUIPMENT MAY NOT BE SUFFICIENT TO PROTECT PERSONS ALREADY SENSITIZED TO THIS MATERIAL.

Ventilation:PROVIDE

EFFECTIVE MECHANICAL EXHAUST VENTILATION TO DRAW

VAPORS, MISTS, FUMES GENERATED DURING PROCESSING AWAY FROM WORKERS AND PREVENT ROUTINE INHALATION.

Protective Gloves: PROTECTIVE NITRILE GLOVES.

Eye Protection: FACE SHIELD IN CONJUNCTION WITH SPLASH-PROOF CHEMICAL GOGGLES OR SAFETY GLASSES

Other Protective Equipment: CHEMICAL RESISTANT APRON AND ADDITIONAL IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT. EMERGENCY EYE WASH FACILITIES AND SAFETY SHOWER MUST BE AVAILABLE.

Work Hygieni

c Practices:WASH HANDS AND FACE THOROUGHLY AFTER HANDLING THIS PRODUCT AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

THIS ENTRY DESCRIBES ONE ITEM OF A KIT, CATALYST 9. SEE MSDS SERIAL "CKTDJ".

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

HCC:B2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=317.8C, 604.F

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:AIR

Spec Gravity: 0.99 (WATER=1)

VOC Pounds/Gallo

n:442

pH:NOT PROVIDED

Viscosity:NOT PROVIDED

Evaporation Rate & Evaporation R

Solubility in Water: SOLUBLE

Appearance and Odor: AMBER LIQUID, AMINE ODOR.

Percent Volatiles by Volume:N/D Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH STRONG OXIDIZERS, ACIDS, BASES. UNCONTROLLED MIXING WITH EPOXIDES MAY CAUSE HAZARDOUS EXOTHERMIC POLYMERIZATION, POSSIBLY RESULTING IN E

VOLUTION OF SMOKE AND TOXIC FUMES. Stability Condition to Avoid:PRODUCT IS STABLE UNDER NORMAL HANDLING AND STORAGE CONDITIONS. AVOID STORAGE IN OPEN CONTAINERS, EXPOSURE TO OPEN FLAME, UNCONTROLLED HEAT, UNCONTROLLED MIXING WITH EPOXIES. Hazardous Decomposition Products:CO, CO2, OXIDES OF NITROGEN, AMMONIA, AMINES AND OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION. THE CHEMICAL NATURE AND QUANTITY OF DECOMPOSITION BY-PRODUCTS WILL VARY WIDELY. Conditions to Avoid P olymerization: INCOMPATIBLE MATERIALS ======= Toxicological Information =========== Toxicological Information: NO DATA PROVIDED BY MANUFACTURER ========= Ecological Information ================ Ecological: NO DATA PROVIDED BY MANUFACTURER. ======= Disposal Considerations ============ Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH CURRENT FEDERAL, STATE, AND LOCAL REGULATIONS. ======== MSDS Transport Informat ion ======== Transport Information: POLYAMINE, LIQUID, CORROSIVE, NOS (TETRAETHYLENE PENTAMINE. TRIETHYLENE TETRAMINE): 8: UN2735: PG III. ========== Regulatory Information =========================== SARA Title III Information: SARA STATUS: THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES REGULATED BY THE SARA SECTION 313 AMENDMENTS TO RCRA. Federal Regulatory Information:TSCA STATUS: ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE EPA TOXIC SUBSTANCE CONTROL A CT INVENTORY. State Regulatory Information: NOT PROVIDED

============= Other Information =============================

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