

EMERSON CUMING INC. -- ECCOSHIELD VY-NC -- 5990-01-354-9881

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

Product ID:ECCOSHIELD VY-NC

MSDS Date:07/08/1993

FSC:5990

NIIN:01-354-9881

MSDS Number: CFYRB

=== Responsible Party ===

Company Name:EMERSON CUMING INC.

Address:55 HAYDEN AVE

City:LEXINGTON

State:MA

ZIP:02173

Country:US

Info Phone Num:617-828-3300/617-861-6600

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

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

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

Ingred Name:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 40-50%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9596

Ingred Name:SILICONE RESINS

Fraction by Wt: 15-35%

Other

REC Limits:NONE RECOMMENDED

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA 313) (CERCLA)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 15-35%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/150STEL;9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: 1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:3.5 MG/M3

ACGIH TLV:3.5 MG/M3; 9596

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

LD50

LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:EYE:CONTAINS MATLS WHICH MAY CAUSE SEVERE BUT REVERSIBLE IRRIT.SKIN:CONTAINS MATL WHICH CAUSE MOD IRRIT.PROL/REP EXPO TO LIQ MAY EXERT DEFATTING/DRYING ACTION,RESULTS IN DERM.MAY CAUSE SKIN SENS/ALLER GIC RXS-SEVERER IN CERTAIN INDIVIDUALS.INHAL:HI VAP CONC MAY CAUSE RESP IRRIT,HEAD,NAU,D

IZZ,ANESTHETIC (SIGN/SYMPTOMS)

Explanation of Carcinogenicity:PER MSDS:NTP NICKEL/NICKEL OXIDE POSSIBLE CANC HAZ.IARC NI POWDER CLASS 2B.

Effects of Overexposure:SKIN:RASH,ITCHING,HIVES,SWELLING OF EXTREMITIES.EFFORTS OR OTHER TEMPORARY CENTRAL NERVOUS SYTEM EFFECTS.SEVERITY OF EFFECTS WILL BE DEPENDENT UPON VAPO CONC & SEVERITY OF EXPOSURE.INGEST:HARMFUL.

Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PRE-EXISTING SKIN/EYE &/OR RESPIRATORY DISORDERS.

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First Aid Measures  
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First Aid:EYE:IMMED FLUSH WELL W/H2O @LEAST 15MINS,HOLD EYELIDS OPN.GET IMMED MED ATTN.SKIN:REMOVE CONTAM CLOTH.FLUSH WELL W/PLENTY OF WATER.FOLLOW BY WASHING W/SOAP/WATER.IRRIT PERSIST GET MED ATTN.INHAL:REMOV E TO FRESH AIR.PROVIDE OXY IF BREATH DIFFI.GIVE ART RESP NOT BREATH.GET IMMED MED ATTN.INGEST:DONT INDUCE VOMIT.CONSC/ALERT GIVE H2O;NEVER GIVE ANYTHING BY MOUTH IF UNCONSC/CONVULS.GET IMMED MED ATTN.

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Fire Fighting Measures  
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Flash Point:81.0F,27.2C  
Autoignition Temp:Autoignition Temp Text:NP  
Lower Limits:1.1 XYLENE  
Upper Limits:7.0 XYLENE  
Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
Fire Fighting Procedures:FIREFIGHTERS/RESCUE PERSONNEL SHOULD WEAR POSITIVE PRESSURE SCBA & FULL PROTECTIVE EQPMT.COOL EXPO CNTNRS W/WATER TO PREVENT PRESSURE BUILDUP.LG QUANT OF(SUPPL)  
Unusual Fire/Explosion Hazard:DECOMPO/COMBUST PRODUCTS MAY BE TOXIC.CLSD CNTNR MAY VILENTLY RUPTURE UNDER FIRE CONDITIONS.VAPORS MAY FORM FLAMM MIXTURES W/AIR.VAP FRM PROD HEAVIER THAN(SUPP)

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Accidental Release Measures  
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Spill Release Procedures:SPILL RESPON OPS MUST BE CONDUCTED IAW OSHA 29CFR1910.120.REVIEW MSDS BEF RESPONSE.ACTIVATE EXPLO PROOF EXHAU VENTI IMMED.EXT OPN FLAME/REMOVE IGN SOURCES.WIPEUP/ABSORB W/VERMI/SIMILAR MATL.WASH AREA W/SOAPY H2O.COLLECT IN CHEM WASTE CNTNR.(OTH PRC)

Neu  
tralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN COOL DRY LOCATION W/ADEQU VENTI.CNTNR TIGHTLY SEAL WHEN NOT IN USE.DONT STORE NEAR HEAT/SPARK/OPN FLAME.GROUND INW FRPA STDS.  
Other Precautions:SPILL:DISPO AS IGN WASTE IAW ALL REGS.LG:REMOVE PERSON NOT DIRECTLY INVOLVE W/CLEANUP/CNTRL OPS.EXT OPN FLAME/ALL IGN SOURCES.ACTIVATE EXPLO PROF EXHAU VENTI IMMED.SHUT OFF LEAK W/

O

RISK.USE PPE.DIKE/ COLLECT.APPLY ABSORBENT MATL.CONT AS ABV

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

Respiratory Protection:USE APPROPRIATE PROPERLY FITTED RESPIRATOR IF EXPOSURES EXCEED PEL/TLV VALUES.TYPE OF RESPIRATORY PROTECTION SELECTED WILL DEPEND UPON CONDITIONS OF USE.OBSERVE OSHA REGS FOR RESP PROTECTION(20CFR1910 .134).

Ventilation:PROVIDE EXPLO-PROOF MECH EXHAU VENTI TO DRAW VAP/MIST/FUME FRM PROCESSING AWAY FRM WORK/INHAL.SUFF TO MAINTAIN PEL/TLV.

Protective Gloves:APPROPRIATE GLOVES

Eye Protection:SPLASH-PROOF CHEM GOGG,FACE SHIELD

Other Protective Equipment:IF NECESSARY PROPER CHEM-RESIST APRON,ADD IMPERV CLOTHING.EMERG EYE WASH FACI/SAF SHOWER AVAILABLE.

Work Hygienic Practices:NORMAL WORKCLOTH SHOULD BE WASH BEF REUSE.WASH HANDS/FACE WELL AFT HNDLG/BEF EAT/DRINK/SMOKE.WASH CONTAM CLOTH BEF REUSE

Supplemental Safety and Health

FLASH PT BASED ON XYLENE. FIREFIGHTING:MATL INVOLVED EVACUATE AREA & FIGHT FIRE

STAY FRM SAFE DISTANCE. FIRE/EXPLO:AIR,MAY TRAVEL

CONSIDERABLE DISTANCE TO SOURCE OF IGNITION & FLASH BACK. HAZ

DECOMP PRD:CO MBUST.CHEM NATURE & QUANT OF DECOMPO BY-PRODS WILL VARY WIDELY DEPENDING ON CONDITIONS OF COMBUSTION.

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

HCC:F3

Vapor Pres:AIR

Spec Gravity:>2.5

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:INSOLUBLE

Appearance and Odor:SLIVER-GRAY PASTE, SOLVENT ODOR

Percent Volatiles

es by Volume: