

CHOMERICS, INC. -- CHO-SHIELD 4914 -- 8030-01-156-7567

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Product Identification
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Product ID:CHO-SHIELD 4914

MSDS Date:02/27/1990

FSC:8030

NIIN:01-156-7567

MSDS Number: BJZLC

=== Responsible Party ===

Company Name:CHOMERICS, INC.

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888

Country:US

Info Phone Num:617-935-4850 OR 617-938-8630

Emergency Phone Num:617-935-4850 OR 617-938-8630

Pr

Preparer's Name:DAVID HAAS

CAGE:18565

=== Contractor Identification ===

Company Name:PARKER HANNIFIN CORPORATION CHOMERICS DIVISION

Address:77 DRAGON COURT

Box:City:WOBURN

State:MA

ZIP:01888

Country:US

Phone:617-935-4850

CAGE:18565

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Composition/Information on Ingredients
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Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 40-50%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:TOLUENE (SARA III)

CAS:108

-88-3
RTECS #:XS5250000
Fraction by Wt: 15-25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:2-ETHOXYETHYL ACETATE (CELLOSOLVE ACETATE) (EGEEA)
CAS:111-15-9
RTECS #:KK8225000
Fraction by Wt: 15-25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S,100 PPM
ACGIH TLV:S, 5 PPM; 9192

Ingred Name:ACRYLIC RESIN
Fraction by Wt: 5-10%
Other REC Limits:NONE SPECIFIED

Ingred Name:NON-ASBESTIFORM TALC
CAS:14807-96-6
RTECS
#:VV7720000
Fraction by Wt: 5-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES
Health Hazards Acute and Chronic:OVEREXPOS TO TOLUENE HAS PRODUCED SEVERE BUT REVERSIBLE LIVER & KIDNEY INJURY IN HUMANS.REPEATED AND PROLONGED OVEREXPOS HAS BEEN ASSOCIATED WITH CENTRAL NERVOUS SYSTEM INJURY & CARDIAC SENSITIZATION. OVEREXPOS TO CELLOSOLVE ACETATE HAS RESULTED IN BLOOD CHANGES & LIVER & REPRODUCTIVE INJURY IN LAB TEST ANIMALS.
Explanation of Carcinogenicity:THE NATIONAL TOXICOLOGY PROGRAM HAS LISTED NICKEL OXIDE AND NICKEL AS POSSIBLE CANCER HAZARDS.
Effects of Overexposure:EYE:IRRITATION.SKIN:IRRITATION,DEFATTING OR DRYING ACTION, DERMATITIS, ITCHING, REDDENING, SWELLING, FISSURING OR SCALY SKIN. INHALATION:RESPIRATORY IRRITATION, HEADACHES, NAUSEA, DIZZINES

S. MAY CAUSE ANESTHETIC EFFORTS OR OTHER TEMPORARY CENTRAL SYSTEM EFFECTS.INGESTION:HARMFUL IF SWALLOWED.
Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PRE-EXISTING SKIN, EYE AND/OR RESPIRATORY DISORDERS.

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First Aid Measures
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First Aid:EYE:IMMED FLUSH W/H2O 15 MIN WHILE HOLD EYELIDS OPEN.GET IMMED MED ATTN.SKIN:REMOVE CONTAM CLOTHES/FLUSH W/LOTS OF H2O.THEN WASH W/SOAP/H2O.GET MED ATTN IF IRRIT PERSISTS.INHALED:REMOVE TO FRESH AIR.P ROVIDE O 2 IF BREATHING IS DIFFICULT.GIVE CPR IF NOT BREATHING.GET MED ATTN.INGESTED:DO NOT INDUCE VOMIT.DILUTE BY GIVING H2O TO DRINK,NEVER GIVE ANYTHING BY MOUTH TO A DROWSY,UNCONC/CONVULSING PESON

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Fire Fighting Measures
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Flash Point:40F/4C
Lower Limits:1.3/1.7
Fire Fighting Procedures:PERSONNEL SHOULD WEAR POSITIVE PRESS SCBA/FULL PROTECT EQUIP.COOL EXPOS CONTAINERS W/H2O TO PREVENT PRESS BUILDUP.IF LARGE QUANTITIES INVOLVED,EVACUATE AREA.
Unusual Fire/Explosion Hazard:DECOMP/COMBUST PROD MAY BE TOXIC.CLOSED CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE COND.VAPORS FORM FLAMM MIX W/AIR.VAPORS ARE HEAVIER THAN AIR,TRAVEL/FLASHBAC

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Accidental Release Measures
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Spill Release Procedures:ACTIVATE ALL EXPLOS-PROOF EXHAUST VENT IN AREA.EXT OPEN FLAMES/ELIM SOURCES OF IGNIT.WIPE UP/ABSORB W/VERMICULITE/OTHER MAT'L.WASH AREA W/SOAPY WATER.COLLECT ABSORB MAT'L/WATER RINSES IN CHEM WASTE CO NTAINER.DISPOSE AS IGNIT WASTE.STOP RUNOFFS TO H2O

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Handling and Storage
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Handling and Storage Precautions:STORE IN A COOL,DRY PLACE W/ADEQ VENT.KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE.DO NOT STORE NEAR HEAT,SPARKS.GROUND STORAGE/TRANSFER CONTAINERS.
Other Precautions:EMPTY CONTAINER MAY CONTAIN FLAMMABLE LIQUID OR VAPOR RESIDUE.DO NOT CUT,WELD,SOLDER,DRILL,GRIND OR EXPOSE CONTAINER TO

HEAT,FLAME OR OTHER SOURCES OF IGNITION.THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

Respiratory Protection:USE APPROPRIATE,PROPERLY FITTED RESPIRATOR IF EXPOSURES EXCEED PEL/TLV VALUES.THE TYPE OF RESPIRATOR PROTECTION SELECTED WILL DEPEND UPON THE CONDITIONS OF USE.

Ventilation:PROVIDE EFFECT EXPLO-PROOF MEC VENT TO DRAW VAPORS,MIST/FUMES FROM WORKER/PREVENT INHALATION.SUFF TO MAINTAIN PEL/TLV.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:USE SPLASH-PROOF CHEM GOGGLES/FACESHIELD

Other Protective Equipment:CHEMICAL RESISTANT APRON/ADDITIONAL IMPERVIOUS CLOTHING.EMERGENCY WASH FACILITY AND SAFETY SHOWER MUST BE AVAILABLE.

Work Hygienic Practices:WASH HANDS AND FACE THOROUGHLY AFTER HANDLING AND BEFORE EATING,DRINKING OR SMOKING.WASH CONTAM CLOTHES BEFORE REUSE.

Supplemental Safety and Health
CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DESTROYED.
CONTAMINATED AND SHOULD BE DESTROYED.

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

Vapor Pres:5

Vapor Density:> AIR

Spec Gravity:1.5

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY LIQUID, SOLVENT ODOR

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

Stability Indicator/Materials to Avoid:YES
INCOMPATIBLE WITH STRONG OXIDIZERS, ACIDS, BASES.

Stability Condition to Avoid:AVOID STORAGE IN OPEN CONTAINERS EXPOS TO OPEN FLAME/UNCONTROLLED EX

POS TO HEAT,MIXING W/CURING AGENTS/INCOMPAT SUBSTANC

Hazardous Decomposition Products:CO₂, CO, ALDEHYDES, ORGANIC ACIDS, ACTYLATES AND OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION.

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

Waste Disposal Methods:DISPOSE OF AS AN IGNITABLE WASTE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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