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

Product ID:PRIMER 1086, PART A

MSDS Date:04/08/1993

FSC:8040

NIIN:01-015-3805

MSDS Number: CCLVM

=== Responsible Party ===

Company Name:CHOMERICS, INC.

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888

Country:US

Info Phone Num:617-938-8630

Emergency Phone Num:617-935-4850

CAGE:18565

=== Contractor Identification ===

Company Name:PARKER HANNIFIN CORPORATION CHOME

RICS 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 =====

Ingred Name:VM&P NAPHTHA (LIGROINE)

CAS:8032-32-4

RTECS #:OI6180000

Fraction by Wt: 60-70%

Other REC Limits:NONE SPECIFIED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM; 9596

Ingred Name:TOLUENE (SARA 313) (CERCLA)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 15-20%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM; Z-2

AC

GIH TLV:S, 50 PPM; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:SILICONE

Fraction by Wt: 10-15%

Other REC Limits:NONE SPECIFIED

Ingred Name:ALKYL SILICATE

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

Ingred Name:N-BUTYL ALCOHOL (SARA 313) (CERCLA)

CAS:71-36-3

RTECS #:EO1400000

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:S, C 50 PPM; 9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====
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LD50 LC50 Mixture:NOT GIVEN

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

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

Health Hazards Acute and Chronic:OVEREXPOSURE TO TOLUENE HAS PRODUCED SEVERE BUT REVERSIBLE LIVER AND KIDNEY INJURY IN HUMANS. REPEATED AND PROLONGED OVEREXPOSURE HAS BEEN ASSOCIATED WITH CENTRAL NERVOUS SYSTEM INJURY AND CARDIAC SENSITIZATION.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS

OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE CONTACT:IRRIT,BLURRED VISION,BURNING SENSATION & TEARING. SKIN:IRRIT,DEFATTING OR DRYING ACTION ON THE SKIN POSSIBLY RESULTING IN DERMATITIS. INHALATION:RESPIRATORY IRRIT,HEADACHES, NAUSEA,DIZZINE SS. MAY CAUSE ANETHETIC EFFECTS OR OTHER TEMPORARY CENTRAL SYSTEM EFFECTS. INGESTION:HARMFUL IF SWALLOWED.

Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PRE-EXISTING SKIN

AND/OR EYE DISORDERS.

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

First Aid:EYE:FLUSH W/H2O FOR 15 MIN WHILE HOLD EYELIDS OPEN.GET MED ATTN.SKIN:REMOVE CONTAM CLOTHES/FLUSH W/LOTS OF H2O. FOLLOW BY WASHING W/SOAP/H2O.GET MED ATTN IF IRRIT PERSISTS.DO NOT REUSE CLOTHES UNTIL P ROPERLY CLEANED.INHALED:REMOVE TO FRESH AIR.GIVE OXYGEN IF BREATHING DIFFICULT.GIVE CPR IF NOT BREATHING.GET MED ATTN.INGESTION.DO NOT INDUCE VOMIT.IF VICTIM IS CONSCIOUS,DILUTE BY GIVING H2O TO DRINK

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

Flash Point:59F/15C

Lower Limits:1 %

Upper Limits:7 %

Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:VAPOR IS FLAMMABLE AND HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL TO REDUCE PRESSURE.

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

Spill Release Procedures:USE EXPO-PROOF EXHAUST VENT IN IMMEDIATE SPILL AREA.EXTIN OPEN FLAMES/SOURCES OF IGNITION.WIPE UP/ABSORB W/VERMICULITE/ SIMILAR MAT'L.WASH W/SOAPY H2O TO REMOVE RESIDUE.COLLECT ABSORBED MAT'L/H2O RINSES IN A PROPER CHEM WASTE CONTAINERS.STOP RELEASE TO SEWER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:EMPLOYEES MUST BE PROPERLY TRAINED IN SAFE HANDLING PRIOR TO USE.STORE IN COOL, DRY AREA WITH ADEQUATE VENT.KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE.

Other Precautions:DO NOT STORE NEAR HEAT, SPARKS/OPEN FLAME.TO PREVENT FIRE/EXPLOSION RISK,EFFECTIVELY GROUND STORAGE AND TRANSFER CONTAINERS IN ACCORDANCE WITH NFPA STANDARDS.DO NOT CUT,WELD,SOLDER,DRILL,GRIND/EXPOSE TO

O HEAT,FLAME/OTHER SOURCE OF
IGNIT.

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

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

Ventilation:PROVIDE EFFECTIVE EXPLOSION-PROOF MECHANICAL EXHAUST VENT
SUFF TO MAINTAIN AIRBORNE CONC BELOW THEIR PEL/TLV VALUES.

Protective Gloves:APPROPRIATE GLOVES TO MINIMIZE SKIN CONT

Eye Prot

ection:CHEM SAFE GLASSES,SPLASH-PROOF GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO
PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:F2

Boiling Pt:B.P. Text:210F,99

C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:25

Vapor Density:> 1

Spec Gravity:0.77

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:INSOLUBLE

Appearance and Odor:LIGHT-COLORED LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:95

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

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH STRONG OXIDIZERS, ACIDS, BASES.

Stability Condition to Avoid:AVOID STORAGE IN OPEN CON

TAINERS, EXPO TO

OPEN FLAME OR UNCONTROLLED EXPO TO HEAT AND UNCONTROLLED MIXING
W/CURING AGENTS

Hazardous Decomposition Products: CO, CO₂, OXIDES OF SILICON/OTHER ORGANIC
SUBST MAY FORM DURING COMBUST. DECOMP PRODUCTS WILL VARY DEPENDING
ON CONDITIONS.

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

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

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