

PARKER HANNIFIN CORPORATION CHOMERICS DIVISION -- CHO-SHIELD 596, PART B --  
5999-01-192-8825

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

Product ID:CHO-SHIELD 596, PART B

MSDS Date:06/24/1999

FSC:5999

NIIN:01-192-8825

Status Code:A

MSDS Number: CLNWF

=== Responsible Party ===

Company Name:PARKER HANNIFIN CORPORATION CHOMERICS DIVISION

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888

Country:US

Info

Phone Num:617-935-4850

Emergency Phone Num:(781) 935-4850

Resp. Party Other MSDS Num.:596A

Preparer's Name:CHOMERICS SAFETY DEPT

CAGE:18565

=== Contractor Identification ===

Company Name:FOXTRONIX

Address:2240 E CENTRAL AVE

Box:City:MIAMISBURG

State:OH

ZIP:45342-3629

Country:US

Phone:(937) 866-2112

Contract Num:SP0905-01-M-5723

CAGE:3T833

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:PLOYAMIDE RESIN  
CAS:68082-29-1  
&lt; Wt:25.

Ingred Name:TOLUENE  
CAS:108-88-3  
RTECS #:XS5250000  
Minumum % Wt:20.  
Maxumum % Wt:30.  
OSHA PEL:200 PPM TWA  
OSHA STEL:500 PPM  
ACGIH TLV:188 MG/M3;50 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ISO-BUTYL KETONE  
CAS:108-10-1  
RTECS #:SA9275000  
Minumum % Wt:20.  
Maxumum % Wt:30.  
OSHA PEL:410 MG/M3;100 PPM  
ACGIH TLV:205 MG/M3;50 PPM  
ACGIH STEL:307 MG/M3;75  
PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE  
CAS:1330-20-7  
RTECS #:ZE2100000  
Minumum % Wt:20.  
Maxumum % Wt:30.  
OSHA PEL:100 OOM  
ACGIH TLV:434 MG/M3;100 PPM  
ACGIH STEL:651 MG/M3;150 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:BUTANOL  
CAS:71-36-3  
RTECS #:EO1400000  
&lt; Wt:10.  
OSHA PEL:300 MG/M3;100 PPM  
ACGIH STEL:C152 MG/M3;C50 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPANOL  
CAS:67-63-0  
RTECS #:NT8050000  
&lt; Wt:5.  
OSHA PEL:980 MG/M3;400

PPM  
ACGIH TLV:983 MG/M3;400 PPM  
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:ETHYLBENZENE  
CAS:100-41-4  
RTECS #:DA0700000  
&lt; Wt:5.  
OSHA PEL:435 MG/M3;100 PPM  
ACGIH TLV:434 MG/M3;100 PPM  
ACGIH STEL:543 MG/M3;125 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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Hazards Identification  
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Health Hazards Acute and Chronic:ACUTE-EYE: CONTACT MAY CAUSE MODERATE EYE IRRITATION. SKIN: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DEFATTING OR DRYING OF THE SKIN WHICH MAY LEAD TO IRRITATION AND/OR DERMATITIS (RASH). MAY BE A BSORBED THROUGH THE SKIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF PRODUCT SOLVENTS MAY CAUSE RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYSTEM EFFECTS. INHALATION OF EXTREMELY HIGH CONCENTRATIONS OF TOLUENE MAY CAUSE HEART IRREGULARITIES & CARDIAC SENSITIZATION. INGESTION: HARMFUL IF INGESTED. CHRONIC: SILVER MAY CAUSE ARGYRIA. MIK & TOLUEN MAY CAUSE LIVER & KIDNEY TOXICITY/DAMAGE, HEARIN G LOSS.

Effects of Overexposure:EYE: IRRITATION. SKIN: DEFATTING OR DRYING OF THE SKIN WHICH MAY LEAD TO IRRITATION AND/OR DERMATITIS (RASH). MAY BE ABSORBED THROUGH THE SKIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF PRODUC T SOLVENTS MAY CAUSE RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYSTEM EFFECTS PROGRESSING FROM HEADACHE, DIZZINESS, STAGGERING GAIT AND CONFUSION TO UNCONSCIOUSNESS, COMA, AND DEATH. INHALATION OF E XTREMELY HIGH CONCENTRATIONS OF TOLUENE MAY CAUSE HEART IRREGULARITES & CARDIAC SENSITIZATION. TALC DUST MAY CAUSE LUNG DAMAGE.

Medical Cond Aggravated by Exposure:PREEXISTING RESPIRATORY CONDITIONS MAY BE AGGRAVATED.

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First Aid Measures  
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First Aid:EYE: IMMEDIATELY FLUSH THE EYES WITH LARGE AMOUNTS OF WATER OCCASIONALLY LIFTING THE UPPER & LOWER EYELIDS. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER FO

R AT LEAST 15 MINUTES. GET

IMMEDIATE MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION:  
REMOVE TO FRESH AIR. GET IMMEDIATE MEDICAL ATTENTION IF IRRITATION  
PERSISTS, BREATHING BE COMES DIFFICULT OR IF SYMPTOMS DEVELOP.  
INGESTION: GET MEDICAL ATTENTION. DO NOT INDUCE VOMITING, POTENTIAL  
ASPIRATION HAZARD. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS,  
DROWSY OR CONVULSING PERS ON.

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

Flash Point Method:

TCC

Flash Point:=7.2C, 45.F

BASED ON TOLUENE

Lower Limits:1.0

Upper Limits:7.0

Extinguishing Media:CARBON DIOXIDE, WATER, WATER FOAM, DRY CHEMICAL.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING. IF LARGE QUANTITIES OF MATERIAL ARE INVOLVED,  
EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.

Unusual Fire/Explosion Hazard:DECOMPOSITION & COMBUSTION PRODUCTS MAY  
BE TOXIC. FLAMMABLE LIQUID CAN FORM FLAMMABLE/EXPLOSIVE MIXTURE IN  
AIR AT OR ABO

VE THE FLASH POINT TEMPERATURE. THIS PRODUCT CONTAINS  
SOLVENT WITH VAPORS THAT A RE HEAVIER THAN AIR & CAN TRAVEL ALONG  
THE GROUND TO AN IGNITION SOURCE, RESULTING IN A FLASHBACK TO THE  
SOURCE.

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

Spill Release Procedures:EVACUATE PERSONNEL OR ISOLATE THE SPILL AREA.  
ELIMINATE ALL SOURCES OF IGNITION. VENTILATE THE AREA USING  
EXPLOSION-PROOF EQUIPMENT. USE ONLY TOOLS APPROVED FOR USE IN  
FLAMMABLE ENVIRONME

NTS. PREVENT THE RELEASE FROM ENTERING SEWERS  
OR WATERWAYS. COLLECT MATERIAL FOR REUSE OR SALVAGE. ABSORB  
REMAINING SPILL WITH INERT MATERIAL & TRANSFER TO A CONTAINER FOR  
DISPOSAL.

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

Handling and Storage Precautions:PREVENT CONTACT WITH EYES. DO NOT  
ALLOW SKIN CONTACT. SKIN ABSORPTION PRESENTS A SIGNIFICANT ROUTE OF  
EXPOSURE TO THIS PRODUCT. AVOID EXPOSURE BY INHALATION. WASH  
THOROUGHLY AFTER HANDLING A

ND BEFORE EATING, DRINKING OR SMOKING.

USE WITH ADEQUATE VENTILATION.

Other Precautions:CONTROL STATIC ELECTRICITY ACCUMULATION AND DISCHARGE BY EFFECTIVELY GROUNDING AND BONDING CONTAINERS WHEN TRANSFERRING LIQUIDS, AND DURING STORAGE AND USE. THE USE OF EXPLOSION-PROOF EQUIPMENT IS RECOMMENDED AND MAY BE REQUIRED. STORE IN A COOL, DRY LOCATION WITH ADEQUATE VENTILATION. STORE IN TIGHTLY CLOSED CONTAINER

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

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Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION IF ADEQUATE EXHAUST VENTILATION IS NOT PROVIDED OR AIR SAMPLING INDICATED EXPOSURE LIMITS ARE EXCEEDED. THE TYPE OF RESPIRATOR SELECTED WILL DEPEND ON THE CONDITIONS OF USE. RESPIRATORY PROTECTION PROGRAMS MUST COMPLY WITH 29 CFR 1910.134.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO CAPTURE VAPORS OR MIST GENERATED BY THE PROCESS. (SEE SUPPLEMENTAL)

Protective Gloves:WEAR PROTECTIVE GLOVES, IF APPROPRIATE

Eye Protection:SAFETY EYE WEAR INCLUDING SAFETY GLASSES WITH SIDE SHIELDS & CHEMICAL GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING TO PREVENT SKIN CONTACT AND POSSIBLE SKIN ABSORPTION.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. REMOVE CONTAMINATED CLOTHING OR SHOES AS SOON AS PRACTICAL AND THOROUGHLY CLEAN BEFORE REUSE.

Supplemental Safety and Health

USE EXPLOSION-PROOF EXHAUST VENTILATION EQUIPMENT UNLESS A PROCESS AND

EQUIPMENT EVALUATION INDICATES THIS ACTION IS NOT REQUIRED.

VENTILATION MUST BE SUFFICIENT TO MAINTAIN AIRBORNE LEVELS BELOW THEIR EXPOSURE LIMITS. TWO PART KIT, SAME NSN, PART A & B.

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

HCC:F2

Vapor Density:>AIR

Spec Gravity: