

CHOMERICS, INC. -- HARDENER -- 8040-01-031-9656

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

Product ID:HARDENER

MSDS Date:01/31/1991

FSC:8040

NIIN:01-031-9656

Kit Part:Y

MSDS Number: BLJYM

=== Responsible Party ===

Company Name:CHOMERICS, INC.

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888

Country:US

Info Phone Num:(617)935-4850

Emergency Phone Num:(617)935-4850

Preparer's Name:DAVID HAAS

CAGE:1856

5

=== 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

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

Ingred Name:PROPOXYLATED TRIETHYLENE TETRAMINE

CAS:26950-63-0

Fraction by Wt: 60-70%

Other REC Limits:NONE SPECIFIED

Ingred Name:TRIETHYLENE TETRAMINE

CAS:112-24-3

RTECS #:YE6650000

Fraction by Wt: 20-30%

Other REC Limits:NONE SPECI

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Ingred Name:2,4,6-TRI(DIMETHYL AMINOMETHYL) PHENOL
CAS:90-72-2
RTECS #:SN3500000
Fraction by Wt: < 10%
Other REC Limits:NONE SPECIFIED

Ingred Name:DIMETHYLAMINOMETHYL PHENOL
CAS:25338-55-0
Fraction by Wt: < 10%
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES: BURNS/BLINDNESS/CORNEAL
INJURY, SKIN: BURNS/BLISTERING/SENSITIZATION/ALERGIC REACTIONS.
INHALATION: RESPIRATORY
IRRITATION/NAUSEA/HEADACHES/SENSITAZATION/TIGHTNESS OF CHEST/ASTHMA
SYMPTOM S. INGESTION: HARMFUL POSSIBLE BURNS TOMOUTH/ UPPER
GASTROINTESTINAL TRACT. CHRONIC: LIVER, KIDNEY, INJURY.
Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PREEXISTING
SKIN, EYE AND/OR RESPIRATORY DISORDERS.

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

First Aid:EYE: WHILE H
OLDING EYE OPEN FLUSH WITH/H2O FOR AL LEAST 15
MINUTES. IMMED. MED. ATTEN. SKIN: FLUSH W/H2O THEN SOAP/H2O.
INHALATION: MOVE TO FRESH AIR. PROVIDE OXYGEN IF NEEDED. ARTIFICIAL
RESPIRATION IF NEEDED. IMMED. MED. ATTEN. INGESTION: DO NOT INDUCE
VOMITING. ALERT VICTOM; GIVE WATER. IMMED. MED. ATTEN.

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

Flash Point:>200F,>93C
Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.
Fire Fighting Proced

ures:WEAR POSITIVE PRESSURE SELF-CONTAINED
BREATHING APPARATUS AND FULL GEAR. COOL CONTAINERS W/H2O. LGE.
AMTS. EVACUATE, FIGHT FIRE FROM 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:LIMIT ACCESS TO IMMED. SPILL AREA. SHUT OFF
SOURCE IF W/O RISK. AVAIL. EXHAUST. PREVENT
RELEASES TO SEWER,
DRAINS, WATERWAYS. SOAK UP RESIDUE W/ABSORBANT MATERIAL, WASH AREA
W/SOAP/WATER, NO RUNOFF. A PPROP. CONTAINERS. LOCAL, STATE AND
FEDERAL REGUL.

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

Handling and Storage Precautions:COOL, DRY PLACE WITH ADEQUATE
VENTILATION. CONTAINERS TIGHTLY CLOSED. KEEP AWAY FORM OPEN
FLAMES/HEAT SOURCES.

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

Respiratory Protection:USE AN A
PPROPRIATE, PROPERLY FITTED RESPIRATOR
IF SYMPTOMS OF EXPOSURE APPEAR.
Ventilation:EFFECTIVE MACHANICAL EXHAUST VENTILATION TO DRAW
VAPORS/MIST/FUMES. NO ROUTINE BREATHING.
Protective Gloves:APPROPRIATE GLOVES
Eye Protection:FACE SHEILD/CHEMICAL GOGGLES/SAFETY GLAS
Other Protective Equipment:CHEMICAL RESISTANT APRON/CLOTHING.
Work Hygienic Practices:WASH HANDS AND FACE THOROUGHLY BEFORE
EAT/DRINK/SMOKE.
Supplemental Safety and Health
EMERGENCY EYE WASH FACILITY AND SAFETY SHOWER SHOU
LD BE AVAILABLE

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

Vapor Pres:< 1
Spec Gravity:APPROX. 1.0
Solubility in Water:YES
Appearance and Odor:AMINE ODOR
Percent Volatiles by Volume:< 1

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS, ACIDS, BASES.
Stability Condition to Avoid:OPEN CONTAINERS, OPEN FLAME, OR
UNCONTROLLED EXPOSURE TO HEAT/MIXING WITH CURING
AGENTS/INCOMPATABLE SUB

STANCES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
OXIDES OF NITROGEN, AND OTHER ORGANICS MAY BE FORMED DURING
COMBUSTION.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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