

CHOMERICS INC -- HARDNER 20 (EPOXY HARDNER) -- 8040-00-825-3621

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

Product ID:HARDNER 20 (EPOXY HARDNER)

MSDS Date:03/08/1991

FSC:8040

NIIN:00-825-3621

Kit Part:Y

MSDS Number: BRQDZ

=== Responsible Party ===

Company Name:CHOMERICS INC

Address:77 DRAGON CT

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:GO416

=== Contractor Identification ===

Company Name:CHOMERICS INC

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888-5000

Country:US

Phone:617-935-4850

CAGE:GO416

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:SILVER (INGREDIENT #1 & 2 ARE USED TO MAKE SILVER-PLATED
COPP

ER= >90%)
CAS:7440-22-4
RTECS #:VW3500000
Other REC Limits:NONE SPECIFIED.
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:POLYAMIDE RESIN
CAS:68410-23-1
Fraction by Wt: 5-10%
Other REC Limits:NONE SPECIFIED BY M.

Ingred Name:TRIETHYLENE TETRAMINE
CAS:112-24-3
R
TECS #:YE6650000
Fraction by Wt: 200F,>93C
Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROTECTIVE CLOTHING
AND SELF-CONTAINED BREATHING APPARATUS.
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:SMALL:ACTIVATE AVAILABLE
EXHAUST VENT EQUIP IN
IMMED SPILL AREA. WIPE UP/ABSORB W/VERMICULITE OR SIMILAR MATL.
WASH AREA W/SOAPY WATER TO REMOVE RESIDUE. COLLECT ABSORBED MATL &
WATER RINSES IN APPROP CNTNRS. LGE SPILLS:LIMIT ACCESS, DIKE TO
SPILL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL DRY LOCATION W/ADEQUATE
VENTILATION. KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE. KE

EP

AWAY FROM OPEN FLAMES AND HEAT SOURCES.

Other Precautions:AVOID CONTACT WITH SKIN OR EYES.

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

Respiratory Protection:USE APPROPRIATE, NIOSH APPROVED PROPERLY FITTED
RESPIRATOR IF EXPOSURES EXCEED TLV VALUES.

Ventilation:MECHANICAL/LOCAL EXHAUST RECOMMENDED TO DRAW VAPORS, MISTS
OR FUMES AWAY FROM WORKERS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:GOGGLES WITH FACE SHIELD

Other Protective Equipment:CHEM RE

SISTANT APRON, IMPERVIOUS CLTHG.

EMERG EYE WASH & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS/FACE AFTER HANDLING, BEFORE EATING,
DRINKING, SMOKING. WORK CLTHG SHOULD BE WASHED BEFORE RE-USE.

Supplemental Safety and Health

THIS IS PART B OF A TWO PART KIT. PART A IS CHO-BOND 360, SEE PART A,
SAME NSN. FOR BEST RESULTS MIX PART A & B IN 1:1 RATIO JUST BEFORE
USE.

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

HCC:N1

Spec Gravity:>1.5

Appearance and Od

or:SILVER PASTE, AMINE ODOR.

Percent Volatiles by Volume:NEGLIG

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, OXIDIZERS, BASES.

Stability Condition to Avoid:STORAGE IN OPEN CONTAINERS,OPEN

FLAMES,UNCONTROLLED EXPOSURE TO HEAT, UNCONTROLLED MIXING W/CURING
AGENTS,EXPOS TO INCOMP

Hazardous Decomposition Products:OXIDES OF CARBON AND NITROGEN AND
OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION.

====

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. ALL COMPONENTS ARE EITHER TSCA OR SARA REGULATED.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.