

CHOMERICS, INC. -- CHO-BOND 1030 ADHESIVE -- 8040-01-056-7442

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

Product ID:CHO-BOND 1030 ADHESIVE
MSDS Date:04/08/1993
FSC:8040
NIIN:01-056-7442
MSDS Number: BSYZG
=== Responsible Party ===
Company Name:CHOMERICS, INC.
Address:77 DRAGON COURT
City:WOBURN
State:MA
ZIP:01888
Country:US
Info Phone Num:617-935-4850 FAX: 617-933-4318
Emergency Phone Num:617-935-4850

P

reparer'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

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

Ingred Name:SILVER-PLATED COPPER (CONSISTING OF THE TWO FOLLOWING
INGREDIENTS)

Fraction by Wt: 70-90% %

Other REC Limits:NONE RECOMMENDED

Ingred Name:SILVER (SARA III)

CAS:7440-22-4

RTECS #:VW

3500000

Fraction by Wt: < 90%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.01 MG/M3

ACGIH TLV:0.1 MG/M3; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: < 90%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9394

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SILICONE RESIN (PROPRIETARY)

Fraction by Wt: < 30%

Other REC Limits:NONE RECOMMENDED

Ingred Name:METHOXYSILANE

Fraction

by Wt: 1-5% %

Other REC Limits:NONE RECOMMENDED

Ingred Name:PIGMENTS

Fraction by Wt: < 1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:VOLATILE ORGANIC COMPOUND CONTENT

RTECS #:9999999VO

Fraction by Wt: 38.3%G/L

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV = 0.1 MG/M3 FOR SILVER

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

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

Health Hazards Acute and

Chronic:IRRITATING TO EYES. HEATING CAN GENERATE VAPORS THAT MAY CAUSE RESPIRATORY IRRITATION, NAUSEA AND HEADACHES. INHALATION HAZARD AT ROOM TEMPERATURE UNLIKELY. HARMFUL IF SWALLOWED. MAY REACT IN STOMACH TO FORM METHANOL WHICH CAN CAUSE CNS EFFECTS AND MAYBE BLINDNESS. PROLONGED CONTACT MAY CAUSE ARGYRIA.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:EYE IRRITATION/BLU RRING/BURNING

SENSATION/TEARING, RESPIRATORY IRRITATION, NAUSEA, HEADACHES, CENTRAL NERVOUS SYSTEM EFFECTS, BLINDNESS. EXCESSIVE OR PROLONGED EXPOSURE MAY CAUSE ARGYRIA, A BLUE-GRAY DISCOLORATION OF THE SKIN.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED

CLOTHING. WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PE RSISTS, GET MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS/CONVULSING PERSON. GET PHYSICIAN

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

Flash Point:>200F,>93C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:IF LARGE QUANTITIES INVOLVED, FIGHT FIRE FROM SAFE DISTANCE. DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. CLOSED CONTAINERS MAY RUPTURE DURING FIRE.

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

Spill Release Procedures:ACTIVATE A

AVAILABLE EXHAUST VENTILATION

EQUIPMENT IN SPILL AREA. WIPE UP OR ABSORB WITH VERMICULITE OR OTHER SIMILAR MATERIAL. WASH AREA WITH SOAPY WATER; AREA WILL BE SLIPPERY UNTIL CLEANED. COLLECT MATERIAL AND RINSE WATER FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID STORAGE IN OPEN CONTAINERS, EXPOSURE TO OPEN FLAME OR UNCONTROLLED EXPOSURE TO HEAT, UNCONTROLLED MIXING WITH CURING AGENTS.

Other Precautions:DO NOT REUSE CONTAMINATED CLOTHING UNTIL PROPERLY CLEANED. NORMAL WORK CLOTHING SHOULD BE WASHED BEFORE REUSE.

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

Respiratory Protection:USE AN APPROPRIATE, PROPERLY FITTED RESPIRATOR IF EXPOSURES EXCEED PEL/TLV VALUES. THE TYPE OF PROTECTION SELECTED WILL DEPEND UPON THE CONDITIONS OF USE. OBSERVE OSHA REGULATIONS FOR RESPIRATORY PROTECTION (29 CFR 1910.134

)
Ventilation:PROVIDE EFFECTIVE MECHANICAL EXHAUST VENTILATION TO DRAW AWAY VAPORS, MISTS OR FUMES GENERATED DURING PROCESSING.

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:CHEMICAL SAFETY GLASSES, GOGGLES, SHIELD

Other Protective Equipment:IF NECESSARY, A PROPER CHEMICAL RESISTANT APRON AND ADDITIONAL IMPERVIOUS CLOTHING TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:WASH HANDS AND FACE THOROUGHLY AFTER HANDLING THIS PRODUCT AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental

Safety and Health

EMERGENCY EYE WASH FACILITIES AND SAFETY SHOWERS SHOULD BE AVAILABLE.

NOTE TO PHYSICIAN: THE METHOXYSILANE IN THIS PRODUCT MAY REACT IN THE STOMACH TO FORM METHANOL. TREATMENT SHOULD TAKE INTO CONSIDERATION THE POSSIBILITY OF METHANOL POISONING.

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

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

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

Vapor Pres:< 1

Vapor Density:NOT GIVEN

Spec Gravity:> 1.5

Evaporation R

ate & Reference:NOT GIVEN
Solubility in Water:INSOLUBLE
Appearance and Odor:SILVER PASTE
Percent Volatiles by Volume:< 1

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS, ACIDS, BASES
Stability Condition to Avoid:AVOID STORAGE IN OPEN CONTAINERS, EXPOSURE
TO OPEN FLAME OR HEAT, UNCONTROLLED MIXING WITH CURING AGENTS
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
OXIDES OF SILICON AND O
THER ORGANIC SUBSTANCES MAY BE FORMED DURING
COMBUSTION.

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

Waste Disposal Methods:WASTE MAY BE CLASSIFIED AS D011 (SILVER) IF A
REPRESENTATIVE SAMPLE OF CHO-BOND 1030 WASTE FAILS THE TOXICITY
CHARACTERISTICS LEACHING PROCEDURE (TCLP). DISPOSE ACCORDING TO
LOCAL, STATE AND FEDERAL REGULATIONS.

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.