

HMIS RATING	
Health	2
Flammability	4
Reactivity	0

MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	2
Flammability	4
Reactivity	0
NFPA 30B LEVEL	
3	

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1. PRODUCT IDENTIFICATION

PART NUMBER80-932
 PRODUCT NAMECOPPER-CLAD Gasket Cement
 CHEMICAL FAMILYN/A
 DOT SHIPPING.....Consumer Commodity ORM-D

2. HAZARDOUS INGREDIENTS

Specific chemical identity, common names	OSHA PEL	ACGIH TLV	STEL	%
Aliphatic Naphtha (64742-49-0)		Not Established		1-10
Ethyl Acetate (141-78-6)	400	400	-	1-10
Polyvinyl Methyl Ether Solution (Unknown)		Not Established		1-10
Synthetic Resin (68648-53-3)		Not Established		10-20
*Acetone (67-64-1)	750	750	1000	30-40
*Methylene Chloride (75-09-2)	500	50	-	1-10
*Copper (7440-50-8)	-	1mg/m ³	-	1-10
Propane/Isobutane/n-Butane (74-98-6)	1000	1000	Asphyxiant	30-40
Proprietary Items	-	-	-	3

Acceptable ceiling concentration for methylene chloride: 1000ppm; max. peak above ceiling - 8 hour shift - 2000ppm for 5 minutes in any 2 hours.
 All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

3. PHYSICAL DATA

BOILING POINT (RANGE) 1.75°F to 150°F
 VAPOR PRESSURE PSIG @ 70°F 43
 VAPOR DENSITY (Air = 1) 4.0
 SOLUBILITY IN WATER Nil
 SPECIFIC GRAVITY (H₂O = 1) 0.7
 MELTING/FREEZING POINT N/A
 EVAPORATION RATE (Butyl Acetate = 1) > 1
 APPEARANCE AND ODOR Copper / Solvent

4. FIRE AND EXPLOSION DATA

FLASH POINT -123°F TCC
 UPPER EXPLOSIVE LIMIT (%) ND
 LOWER EXPLOSIVE LIMIT (%) ND
 EXTINGUISHING MEDIA Water Fog, Dry Chemical, CO₂
 SPECIAL FIREFIGHTING PROCEDURES Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus
 FIRE AND EXPLOSION HAZARDS Heated cans may burst.

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY Skin, Ingestion, Inhalation
 HEALTH HAZARDS (Acute & Chronic) May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. Aspiration hazard if swallowed. Eye and skin irritant. Eye irritation may be severe. May irritate respiratory tract. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal. The solvents listed have been reported to affect the central nervous system. Methylene chloride will have an effect on the cardiovascular system. May cause cardiac abnormalities.

SIGNS AND SYMPTOMS OF EXPOSURE Inhalation: Difficulty in breathing. Skin: Redness
 Ingestion: Vomiting

5. HEALTH EFFECTS DATA (Continued)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Heart disease; Respiratory disorders.

FIRST AID PROCEDURES

EYES Flush with water for at least 15 minutes. Get medical help
 SKIN CONTACT Wash with soap and water.
 INHALATION Remove to fresh air. Give oxygen
 INGESTION Do not induce vomiting. Keep individual calm. Obtain medical attention.
 Never administer adrenalin following overexposure.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines) Methylene chloride is listed as a carcinogen per NTP and IARC. Inhalation of high concentrations of methylene chloride over long periods of time (years) has caused cancer in laboratory animals. WARNING: This product contains a chemical known to the state of California to cause cancer.

6. REACTIVITY

STABILITY Stable
 INCOMPATIBILITIES High Temperature, strong oxidizers, strong alkalis, acids, bases, aluminum.
 NFPA REACTIVITY HAZARD 0
 HAZARDOUS DECOMPOSITION PRODUCTS CO₂ water, hydrogen chloride, phosgene.
 HAZARDOUS POLYMERIZATION Will not occur
 HAZARDOUS POLYMERIZATION CONDITIONS None known

7. PRECAUTIONS FOR SAFE HANDLING AND USE

PROTECTIVE EQUIPMENT REQUIREMENTS Wear eye protection. Gloves: none required if spraying. Local exhaust. Ventilation sufficient to maintain vapor concentrations below TLV. Use NIOSH approved respirator if TLV limit is exceeded. Wear long sleeves & long pants.
 WASH REQUIREMENTS Wash with soap and water
 SPILL OR LEAK PROCEDURES Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.
 WASTE DISPOSAL METHODS Dispose as hazardous waste in accordance with EPA RCRA.
 HANDLING & STORAGE Keep away from heat, sparks, or open flame. Store at temperatures below 120°F
 OTHER PRECAUTIONS When spraying more than one half can continuously, or more than one can consecutively, use NIOSH approved respirator.

8. ADDITIONAL INFORMATION

Use self contained breathing apparatus if TLV limits are exceeded. Do not smoke while using. Wash hands after use.
 WARNING: This product contains a chemical known to the State of California to cause cancer. See acceptable limits in section 2.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCT(S). SUCH ARE BASED ON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND ARE BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATION CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

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