

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: K&W Copper Coat Gasket Compound

Product Number (s): 401504, 401516, 841504

Manufactured By: CRC Industries, Inc. (215) 674-4300
 885 Louis Drive, Warminster, PA 18974
 24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Heptane	142-82-5	500 ppm	400 ppm	NE	>4-84
Copper(suspended)	7440-50-8	1 mg/m ³	1 mg/m ³	NE	<10
Glycerol ester of wood rosin	65997-13-9	3 mg/m ³	NE	NE	<10
Rubber	9003-55-8	NE	NE	NE	11-21

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: Copper color, viscous with characteristic hydrocarbon odor

Danger: Flammable. Harmful or Fatal if Swallowed. Vapor Harmful.

Potential Health Effects:

- Inhalation:** High concentrations are irritating to respiratory system; may cause headache, dizziness, nausea, vomiting and malaise.
- Eyes:** Liquid or vapors may cause irritation.
- Skin:** Brief contact may cause slight irritation. Prolonged contact may cause irritation or dermatitis.
- Ingestion:** May result in vomiting. Aspiration of vomits into lungs must be avoided. Minute amount of aspiration product can produce severe lung injury or death.

Carcinogenicity: OSHA: No IARC: No NTP: No

Chronic Overexposure: No known chronic effects have been established. Literature indicates that repeated and prolonged overexposure may result in permanent brain and nervous system damage. Harmful or fatal if swallowed. Vapor harmful.

Medical Conditions Aggravated by Exposure: Pre-existing skin, eye or respiratory disorders.

Section 4: First Aid Measures

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Inhalation: Remove to fresh air, provide oxygen if breathing is difficult; seek medical attention.
Eyes: Flush with large amounts of water for 15 minutes.
Skin: Remove contaminated clothing and wash area with soap and water.
Ingestion: DO NOT induce vomiting. If vomiting occurs spontaneously, keep below hips to prevent aspiration of liquids into lungs. Call a physician immediately. Vomiting can be induced under Physician's supervision.

Section 5: Fire-Fighting Measures

Flashpoint: 30°F	Method: TCC	LEL: 1	UEL: 7
Extinguishing Media:	CO ₂ , dry chemical, water fog, and chemical foam.		
Hazardous Combustion Products:	CO, CO ₂		
Fire-fighting Instructions:	Use self contained respiratory equipment. Do not use water stream as it will scatter and spread fire.		
NFPA: Health: 2	Flammability: 3	Reactivity: 0	
HMIS: Health: 2	Flammability: 3	Reactivity: 0	PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Handling Procedures: Store in a cool, dry area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

Section 9: Physical & Chemical Properties

Physical State:	Appearance & Odor: Copper colored, viscous liquid with characteristic hydrocarbon odor.
Specific Gravity: 0.740	Boiling Point: 200°F
Freezing Point: ND	Vapor Pressure: 45 mm Hg @ 20°C
Evaporation Rate: ND	Vapor Density (air = 1): >1
pH: ND	Solubility: Negligible
Volatile Organic Compounds:%: ND	g/L: ND lbs./gal: 5.02 lbs/gal

Section 10: Stability and Reactivity

Product Name: K&W Copper Coat Gasket Compound**Product Number (s): 401504, 841504, 401516**

Stability:	Stable	Hazardous Polymerization:	No
Chemical Incompatibilities:	Strong oxidizers		
Materials to Avoid:	Application to hot surfaces or exposure to open flame or storage above 120°F.		
Hazardous Decomposition Products:	NA		

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

Section 12: Ecological Information

Ecotoxicity:	No data available.
Environmental Fate:	No data available for biodegradation.

Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Shipping Name:	Consumer commodity		
Hazard Class:	ORM-D	UN Number:	NA
Label:	NA	Packing Group:	NA
Special Provisions:	The above shipping name applies only to pint containers or smaller size (net quantity 473 mL or less) This product has more than one shipping name depending upon size, packaging, mode of shipment.		

Section 15: Regulatory Information

TSCA:	All components are either listed under TSCA or are exempt.		
SARA Title III:	Section 311/312:	Acute Section	313*: Copper
CERCLA/Superfund (RQ):		Copper	
Extremely Hazardous Substances:		NA	
California Prop 65:		None	

* See section 2 for percentage

Section 16: Additional Information

Prepared By:	Adam M. Selisker	Date:	August 28, 2002
Technical Information:	(800) 521-3168	CRC #:	9010

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This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service
ppm: Parts per Million
TCC: Tag Closed Cup
LEL: Lower Explosive Limit
UEL: Upper Explosive Limit
PPE: Personal Protection Equipment

NA: Not Applicable
ND: Not Determined
NE: Not Established
g/L: grams per Liter
lbs./gal: pounds per gallon
RQ: Reportable Quantity