

# SAFETY DATA SHEET




## SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® Copperhead™**

PRODUCT TYPE: Copper Gasket Adhesive  
PRODUCT CODE: C1613

MANUFACTURER: Castle Products, Inc  
424 St. Paul Street  
Rochester, NY 14605  
(800) 876-0222  
EMERGENCY (585) 275-3232

## SECTION 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: DANGER: Flammable Aerosol, Contents Under Pressure, Irritant   

POTENTIAL HEALTH EFFECTS: Eyes: Irritation. May cause pain, reddening and swelling accompanied by a stinging sensation.  
Skin: May cause irritation.  
Inhalation: May cause irritation, headache, dizziness, nausea. Propellant is a simple asphyxiant.  
Ingestion: May cause headache, nausea, vomiting, and weakness.  
Effects of chronic exposure: May cause damage to nervous system, lungs, kidneys, and/or liver.

## SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	PEL	TLV	STEL	%
2-Propanone	67-64-1	750 ppm	750 ppm	1000 ppm	55.0 %
Propane/Isobutane/N-Butane	68476-86-8	800 ppm	800 ppm	NE	30.0 %
Copper Powder	7440-50-8	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	NE	4.0 %
Ethyl Acetic Ester	141-78-6	400 ppm	400 ppm	NE	4.0 %
N-Hexane	110-54-3	50 ppm	50 ppm	NE	4.0 %

## SECTION 4 FIRST AID MEASURES

First Aid Procedures:

- Eye contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician if irritation persists.
- Skin contact: For skin contact flush with large amounts of water. Call a physician if irritation persists.
- Inhalation: Immediately remove from further exposure. Give supplemental oxygen, if breathing is difficult. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
- Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person.

Note to physician: If the product is ingested, treat the affected person symptomatically.

## SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: -156°F (-104°C) (Pensky-Martens CC) LOWER EXPLOSIVE LIMIT: 1.0 UPPER EXPLOSIVE LIMIT: 13  
EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Appropriate for surrounding fire.  
UNUSUAL FIRE & EXPLOSION HAZARDS: None  
SPECIAL FIRE FIGHTING PROCEDURES: Water from fogging nozzles may be used to cool closed containers to prevent pressure build-up if exposed to extreme temperatures. As in any fire, wear pressure-demand self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.  
Environmental precautions: Prevent further leakage or spillage if safe to do so.  
Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.  
Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up.  
Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.

Large Spills: Dike far ahead of liquid spill for disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

### SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing. Wash hands after handling.  
Storage: Keep containers tightly closed. Store in a cool, dry place away from sources of ignition.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits: None Established.

Engineering controls: Use local exhaust ventilation.

Personal protective equipment:

General: Eye wash fountain and emergency showers are recommended.

Eye/face Protection: Wear safety glasses or goggles.

Skin Protection: Wear suitable protective clothing. Use impervious gloves.

Respiratory Protection: In a well-ventilated workspace, respiratory protection is generally not required.

### SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT:	-43°F (-42°C) (Propellant)	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	0.75
VAPOR PRESSURE:	45-55	PERCENT VOLATILE BY VOL %:	NE
VAPOR DENSITY (air=1)	>1	EVAPORATION RATE (Butyl Acetate=1):	>1
SOLUBILITY IN WATER:	Slight	APPEARANCE & ODOR:	Copper / Solvent odor
pH:	N/A	VOC's	30%

### SECTION 10 STABILITY and REACTIVITY DATA

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (material to avoid): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Hydrocarbon fumes and smoke, Copper Oxides.

HAZARDOUS POLYMERIZATION: Will not occur

### SECTION 11 TOXICOLOGICAL INFORMATION

Component Test Results: Product LD<sub>50</sub>: 5620 mg/kg, LC<sub>50</sub>: 50,100 ppm.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

### SECTION 12 ECOLOGICAL INFORMATION

No Information Available.

### SECTION 13 DISPOSAL CONSIDERATIONS

Disposal instructions: Do not puncture or incinerate containers, even when empty. Dispose according to all applicable Federal, State, and Local regulations.

### SECTION 14 TRANSPORT INFORMATION

D.O.T. Classification: Consumer commodity, ORM-D

### SECTION 15 REGULATORY INFORMATION

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components:	CAS#	wt%
Copper Powder	7440-50-8	<4%
n-Hexane	110-54-3	<4%

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: No

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

<b>SECTION 16 OTHER INFORMATION</b>
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Further information: (HMIS® is a registered trade and service mark of the NPCA.)

HMIS® ratings    Health: 1  
                          Flammability: 4  
                          Physical hazard: 0

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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PREPARED: 11/29/1993

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PRODUCT #: C1613