

# MATERIAL SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Product Name:** K&W Permanent Metallic Radiator Sealer

**Product Number (s):**401111

Manufactured By: CRC Industries, Inc. (215) 674-4300

885 Louis Drive, Warminster, PA 18974

24-Hour Emergency Information: CHEMTREC (800) 424-9300

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## Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Sodium Silicate	1344-09-8	NE	NE	NE	>90
Iron Oxide	1317-60-8	NE	15mg/m <sup>3</sup>	NE	<10

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## Section 3: Hazards Identification

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### Emergency Overview

Appearance & Odor: Reddish-brown lumpy liquid, practically odorless

Danger: Irritant

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### Potential Health Effects:

**Inhalation:** Non expected, however certain individuals may be sensitized and experience minor nausea or headaches.

**Eyes:** Liquid or vapors may cause irritation.

**Skin:** Non expected, however, prolonged contact may cause irritation.

**Ingestion:** May cause gastric distress, vomiting and diarrhea.

**Carcinogenicity:** OSHA: No IARC: No NTP: No

**Chronic Overexposure:** Pre-existing skin, eye or respiratory disorders may become aggravated through prolonged exposure.

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

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## Section 4: First Aid Measures

**Inhalation:** Remove to fresh air, if symptoms persist, 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: Give two glasses of water for dilution. DO NOT induce vomiting. Seek medical attention.

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**Section 5: Fire-Fighting Measures**

Flashpoint:	None	Method:	TCC	LEL:	NA	UEL:	NA
Extinguishing Media:		CO <sub>2</sub> , water, dry chemical, water fog, and chemical foam.					
Hazardous Combustion Products:							
Fire-fighting Instructions:		Keep containers in cool with water spray to prevent container rupture due to steam build up.					
NFPA:	Health:	1	Flammability:	0	Reactivity:	0	
HMIS:	Health:	1	Flammability:	0	Reactivity:	0	PPE: B

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**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.

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**Section 7: Handling and Storage**

Handling Procedures: Store in a cool, dry area.

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**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.

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**Section 9: Physical & Chemical Properties**

Physical State:		Appearance & Odor:	Reddish-brown lumpy liquid, practically odorless
Specific Gravity:	1.36	Boiling Point:	212°F
Freezing Point:	ND	Vapor Pressure:	17 mm Hg @ 20°C
Evaporation Rate:	<1	Vapor Density (air = 1)	>1

pH: 6.5-7.5 Solubility: Complete  
Volatile Organic Compounds:%: 0 g/L: 0 lbs./gal: 0

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Section 10: Stability and Reactivity

Stability: Stable Hazardous Polymerization: No  
Chemical Incompatibilities: Strong oxidizers, strong acids  
Materials to Avoid: Applications to hot surfaces or exposure to open flame or storage above 120°F  
Hazardous Decomposition Products: None

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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.

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Section 12: Ecological Information

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

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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.

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Section 14: Transportation Information

Shipping Name: Not Regulated  
Hazard Class: None UN Number: NA Packing Group: NA  
Label: NA Placard: NA  
Special Provisions:

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Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.  
SARA Title III: Section 311/312: NA Section 313\*: NA  
CERCLA/Superfund (RQ): NA  
Extremely Hazardous Substances: NA  
California Prop 65: NA

\* See section 2 for percentage

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Section 16: Additional Information

Prepared By: Adam M. Selisker Date: March 27, 2000  
Technical Information: (800) 521-3168 CRC #: 9000

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	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
LEL:	Lower Exposure Limit	g/L:	grams per Liter
UEL:	Upper Exposure Limit	lbs./gal:	pounds per gallon
PPE:	Personal Protection Equipment	RQ:	Reportable Quantity