



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Instant Cooling System Stop Leak w/Nanotechnology

**Product Number (s):** 75210

**Product Use:** Engine block and cooling system repair

**Manufacturer / Supplier Contact Information:**

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

[www.crcindustries.com](http://www.crcindustries.com)

1-215-674-4300(General)

(800) 521-3168 (Technical)

(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.

2-1246 Lorimar Drive

Mississauga, Ontario L5S 1R2

[www.crc-canada.ca](http://www.crc-canada.ca)

1-905-670-2291

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

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## Section 2: Hazards Identification

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Emergency Overview

As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.

Appearance & Odor: Speckled tan viscous liquid, no odor

**Potential Health Effects:**

**ACUTE EFFECTS:**

**EYE:** May cause mild irritation to the eyes.

**SKIN:** No acute effects expected. However, prolonged contact may cause mild irritation.

**INHALATION:** No acute effects expected, as this product does not produce vapors. Inhalation of spray may be irritating to the respiratory system.

**INGESTION:** Generally non-toxic if ingested in small amount. May cause vomiting, diarrhea or gastrointestinal discomfort.

**CHRONIC EFFECTS:** None known

**TARGET ORGANS:** for copper: liver, kidney and lungs

Medical Conditions Aggravated by Exposure: Unknown

See Section 11 for toxicology and carcinogenicity information on product ingredients.

**Product Name: Instant Cooling System Stop Leak w/Nanotechnology**  
**Product Number (s): 75210**

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### Section 3: Composition/Information on Ingredients

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COMPONENT	CAS NUMBER	% by Wt.
Water	7732-18-5	85 - 95
Hydrous magnesium aluminum silicate	1302-78-9	< 5
Powdered cellulose	9004-34-6	< 5
Smectite clay	12199-37-0	< 2
Copper flake	7440-50-8	< 0.5

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### Section 4: First Aid Measures

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**Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

**Skin Contact:** Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

**Inhalation:** Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

**Ingestion:** If swallowed, Do NOT induce vomiting. Give victim a glass of water. If severe symptoms develop, get medical attention immediately.

*Note to Physicians:* Treat symptomatically.

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### Section 5: Fire-Fighting Measures

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**Flammable Properties:** This product is nonflammable.

Flash Point: None (TCC)                      Upper Explosive Limit: None  
Autoignition Temperature: None                      Lower Explosive Limit: None

**Fire and Explosion Data:**

**Suitable Extinguishing Media:** This material will not burn. Use extinguishing media appropriate for the surrounding fire.

**Products of Combustion:** NA

**Explosion Hazards:** Containers, when exposed to heat from fire, may build pressure and rupture.

**Protection of Fire-Fighters:** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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### Section 6: Accidental Release Measures

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**Personal Precautions:** Use personal protection recommended in Section 8.

**Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains. This product may be harmful to aquatic life.

**Methods for Containment & Clean-up:** Dike area to contain spill. Ventilate the area with fresh air. If in confined space

**Product Name: Instant Cooling System Stop Leak w/Nanotechnology**

**Product Number (s): 75210**

or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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**Section 7: Handling and Storage**

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Handling Procedures: Avoid contact with eyes, skin and clothing. Keep container closed when not in use. Properly clean any spilled residue with a wet cloth. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Containers should be tightly closed while in storage.

Aerosol Storage Level: NA

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**Section 8: Exposure Controls/Personal Protection**

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**Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Water	NE	NE	NE	NE	NE		
Hydrous magnesium aluminum silicate	5*	NE	NE	NE	NE		mg/m <sup>3</sup>
Powdered cellulose	5*	NE	10	NE	NE		mg/m <sup>3</sup>
Smectite clay	NE	NE	NE	NE	NE		
Copper flake	0.1*	NE	0.1*	NE	NE		mg/m <sup>3</sup>
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

\* Exposure values apply to dust or respirable fraction. These values would not apply to the liquid mixture product. These would only apply to this product if it were dried to a powder or residue.

**Controls and Protection:**

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as nitrile or neoprene. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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**Section 9: Physical and Chemical Properties**

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Physical State: liquid  
Color: speckled tan  
Odor: odorless

**Product Name: Instant Cooling System Stop Leak w/Nanotechnology****Product Number (s): 75210**

Odor Threshold: ND  
 Specific Gravity: 1.02  
 Initial Boiling Point: 212°F / 100°C  
 Freezing Point: ND  
 Vapor Pressure: ND  
 Vapor Density: ND (air = 1)  
 Evaporation Rate: slow  
 Solubility: appreciable  
 Coefficient of water/oil distribution: ND  
 pH: 8.0 – 8.2  
 Volatile Organic Compounds: wt %: 0                      g/L: 0                      lbs./gal: 0

**Section 10: Stability and Reactivity**

Stability: Stable  
 Conditions to Avoid: None  
 Incompatible Materials: None known  
 Hazardous Decomposition Products: None known  
 Possibility of Hazardous Reactions: No

**Section 11: Toxicological Information**

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

**Acute Toxicity:**

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Water	> 90 mL/kg	No data	No data
Hydrous magnesium aluminum silicate	> 5000 mg/kg	No data	No data
Powdered cellulose	> 5 g/kg	> 2 g/kg	> 5800 mg/m <sup>3</sup> /4H
Smectite clay	No data	No data	No data
Copper flake	No data	No data	No data

**Chronic Toxicity:**

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Water	No	No	No	No	No
Hydrous magnesium aluminum silicate	No	No	No	E, S & R (mild)	Unknown
Powdered cellulose	No	No	No	R (mild)	Unknown
Smectite clay	No	No	No	E, S & R (mild)	Unknown
Copper flake	No	No	No	E & S (mild) / R (moderate)	Unknown

E – Eye	S – Skin	R - Respiratory
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Reproductive Toxicity: No information available  
Teratogenicity: No information available  
Mutagenicity: No information available  
Synergistic Effects: No information available

**Product Name: Instant Cooling System Stop Leak w/Nanotechnology**  
**Product Number (s): 75210**

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## **Section 12: Ecological Information**

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Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: copper – 96 Hr LC50 water flea: 10 µg/L  
Persistence / Degradability: No information available  
Bioaccumulation / Accumulation: No information available  
Mobility in Environment: No information available

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## **Section 13: Disposal Considerations**

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**Waste Classification:** This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

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## **Section 14: Transport Information**

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US DOT (ground): Not Regulated

ICAO/IATA (air): Not Regulated

IMO/IMDG (water): Not Regulated

Special Provisions: None

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## **Section 15: Regulatory Information**

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### **U.S. Federal Regulations:**

#### **Toxic Substances Control Act (TSCA):**

All ingredients are either listed on the TSCA inventory or are exempt.

#### **Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):**

Reportable Quantities (RQ's) exist for the following ingredients: copper (5000 lbs)

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

#### **Superfund Amendments Reauthorization Act (SARA) Title III:**

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

Fire Hazard	No
Reactive Hazard	No
Release of Pressure	No
Acute Health Hazard	No
Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of

**Product Name: Instant Cooling System Stop Leak w/Nanotechnology**  
**Product Number (s): 75210**

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1986 and 40 CFR Part 372:  
Copper (< 0.5%)

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

**Canadian Regulations:**

Controlled Products Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Information.

WHMIS Hazard Class: Not regulated

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

**European Union Regulations:**

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

**Additional Regulatory Information:** None

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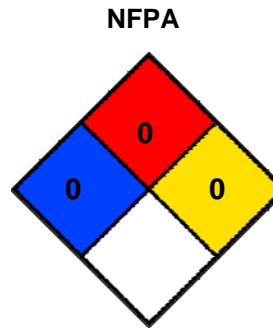
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**Section 16: Other Information**

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HMIS® (II)	
Health:	0
Flammability:	0
Reactivity:	0
PPE:	B



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By: Michelle Rudnick  
CRC #: 682A  
Revision Date: 06/02/2015

Changes since last revision: Removed Product Number  
Section 15: Regulatory Information

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. 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. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

**Product Name: Instant Cooling System Stop Leak w/Nanotechnology**

**Product Number (s): 75210**

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ACGIH: American Conference of Governmental Industrial Hygienists	NA: Not Applicable
CAS: Chemical Abstract Service	ND: Not Determined
CFR: Code of Federal Regulations	NIOSH: National Institute of Occupational Safety & Health
DOT: Department of Transportation	NFPA: National Fire Protection Association
DSL: Domestic Substance List	NTP: National Toxicology Program
g/L: grams per Liter	OSHA: Occupational Safety and Health Administration
HMIS: Hazardous Materials Identification System	PMCC: Pensky-Martens Closed Cup
IARC: International Agency for Research on Cancer	PPE: Personal Protection Equipment
IATA: International Air Transport Association	ppm: Parts per Million
ICAO: International Civil Aviation Organization	RoHS: Restriction of Hazardous Substances
IMDG: International Maritime Dangerous Goods	STEL: Short Term Exposure Limit
IMO: International Maritime Organization	TCC: Tag Closed Cup
lbs./gal: pounds per gallon	TWA: Time Weighted Average
LC: Lethal Concentration	WHMIS: Workplace Hazardous Materials Information System
LD: Lethal Dose	