

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **CRC 2003, 2004, 2005 2.26 Aerosol**  
 Product Use: Corrosion Inhibitor  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Realcold Ltd  
 Address: 9 Prescott Street  
 Penrose, Auckland  
 Telephone: 09 526 5700  
 Fax Number: 09 526 5721  
**Emergency Telephone: 09 526 5700**  
**0800 766 764 (National Poison Centre)**

Manufacturer: CRC Industries New Zealand  
 Address: 10 Highbrook Drive  
 East Tamaki, Auckland, NZ

Date of SDS Preparation: 14 march 2017 Ver 2

### Section 2. Hazards Identification

**The manufacturer has stated that this substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001***

**EPA Approval No: Corrosion Inhibitor (Combustible) – HSR002546**

#### Pictograms



Toxic/Irritant



Chronic



Ecotoxic

Signal Word: DANGER

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1D	H227	Combustible liquid.	Category 4
6.1E(aspiration)	H304	May be fatal if swallowed and enters airways.	Category 1
6.3B	H316	Causes mild skin irritation.	Category 3
6.9B (Narcotic)	H373	May cause damage to central nervous system through prolonged exposure	Category 2
9.1B	H411	Toxic to aquatic life with long lasting effects.	Category 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P260	Do not breathe vapours or spray.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing and eye protection.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P370 + P378	In case of fire: Use CO <sub>2</sub> , dry powder or chemical foam for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Liquid Hydrocarbons	10-30	N/A
Mineral Oil	1-10	N/A
Additives	30-60	N/A
Carbon Dioxide	1-9	124-38-9

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists: seek medical advice.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. Remove any adhering solids with industrial skin cleansing cream. DO NOT use solvents. If skin irritation occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Do NOT induce vomiting. Never give anything to the mouth of an unconscious person. Seek immediate medical attention.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Aerosol containing combustible liquid
<b>Hazards from combustion products</b>	Spray/Vapours may form an explosive mixture in air which can be ignited by many sources such as pilot lights, open flames, electrical motors, switches and static electricity. This product has the potential to cause fire or to create an additional hazard during fire
<b>Suitable Extinguishing media</b>	Water fog, carbon dioxide or dry chemical.

<b>Precautions for firefighters and special protective clothing</b>	Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.
<b>HAZCHEM CODE</b>	<b>2YE</b>

**Section 6. Accidental Release Measures**

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel.

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Wear protective clothing, impervious gloves and safety glasses. Shut off all possible sources of ignition and increase ventilation.
- Remove leaking cylinders to a safe place if possible.
- Release pressure under safe, controlled conditions by opening the valve.
- DO NOT exert excessive pressure on valve; DO NOT attempt to operate damaged valve. Clear area of personnel and move upwind.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can
- Store in original containers in approved flammable liquid storage area.
- DO NOT store in pits, depressions, basements or areas where vapours may be trapped.
- No smoking, naked lights, heat or ignition sources.

**Precautions for Storage:**

- CARE: Packing of high density product in light weight metal or plastic packages may result in container collapse with product release
- Heavy gauge metal packages / Heavy gauge metal drums
- Check that containers are clearly labelled.
- Store away from incompatible materials listed in Section 10.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Mineral Oil		5		10
Carbon Dioxide	5000	9000	30000	54000

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

**Engineering Controls**

The basic types of engineering controls are:

- Process controls which involve changing the way a job activity or process is done to reduce the risk.

- Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

## Personal Protection

<b>Eyes</b>	Wear goggles with side shields. Avoid wearing contact lenses.
<b>Hands and Skin</b>	PVC or rubber gloves, PVC boots and overalls should be worn when manufacturing or handling the concentrated product
<b>Respiratory</b>	A Type A (Organic Vapour) respirator should be used during any spraying operations.
<b>General</b>	At the end of the job, wash gloves and remove, then remove goggles and wash, then remove other protective clothing, finally remove respirator. If using a cartridge type respirator, cartridges should be removed and discarded. If the respirator is disposable, it should be discarded after use. If the respirator is reusable, it should be thoroughly cleaned as per the manufacturer's instruction. Clothing must be changed once contaminated. Protective clothing must be washed after each day's work. Contaminated clothing should not be washed with normal household laundry.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Amber liquid
<b>Odour</b>	Pleasant
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Boiling Point</b>	104°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	76°C
<b>Flammability</b>	Combustible
<b>Upper and Lower Exposure Limits</b>	Not available
<b>Vapour Pressure</b>	Negligible
<b>Vapour Density</b>	> 1
<b>Relative Density</b>	0.88
<b>Solubilities</b>	Immiscible in water
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	> 550°C
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Humid environments, extreme temperatures
<b>Incompatible Materials</b>	Oxidizing agents, strong acids or bases.
<b>Hazardous Decomposition Products</b>	Possible toxic fumes, Carbon monoxide, Carbon dioxide.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	May be fatal if swallowed and enters airways.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Causes mild skin irritation. Possible cracking or defatting of skin.

## Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	May be fatal if swallowed and enters airways.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Causes damage to central nervous system through prolonged exposure. Can cause drowsiness, dizziness, and nausea.

## Section 12. Ecotoxicological Information

HSNO Classes: 9.1B = Toxic to aquatic life with long lasting effects.

<b>Persistence and degradability</b>	CO <sub>2</sub> : Low persistence in water/soil
<b>Bioaccumulation</b>	CO <sub>2</sub> : Low (LogKOW = 0.83)
<b>Mobility in Soil</b>	CO <sub>2</sub> : High (KOC = 1.498)
<b>Other adverse effects</b>	No data available

## Section 13. Disposal Considerations

**Disposal Method:** Dispose of empty canisters through appropriate waste disposal facility.

**Precautions:** Collect all spillage. Put in appropriate waste container for disposal. Ensure waste disposal is labelled "Hazardous Waste –Ecotoxic"

**Disposal methods to avoid:** DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. Do not dispose of material or empty canisters through household rubbish.

## Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

### Road and Rail Transport

UN No: 1950  
Class-primary 2.1  
Packing Group Non allocated  
Proper Shipping Name: AEROSOLS

### Air Transport

UN No: 1950  
Class-primary 2.1  
Packing Group Non allocated  
Proper Shipping Name: AEROSOLS

### Marine Transport

UN No: 1950  
Class-primary 2.1  
Packing Group Non allocated  
Proper Shipping Name: AEROSOLS  
Marine pollutant: YES

## Section 15 Regulatory Information

EPA Approval Code: Corrosion Inhibitor (Combustible) – HSR002546

Product Name: CRC 2.26 Aerosol  
Date of SDS: 27 March 2015

Issued by: Realcold Ltd  
Tel: 64 9 526 5700

HSNO Classification: 3.1D, 6.1E(aspiration), 6.3B, 6.9B (Narcotic), 9.1B

HSNO Controls:

Trigger quantities for this substance:

	<b>Trigger Quantity</b>
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	1000L
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	None

## **Section 16 Other Information**

### **Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

### **Disclaimer**

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Please contact the New Zealand distributor, Realcold Ltd, if further information is required.

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