

## SAFETY DATA SHEET

**Item Code: N0734**

<b>Section 1.</b>	<b>Identification of the material and the supplier</b>
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Item Code:	N0734
Product:	K.O. Dirt Blaster <sup>TM</sup>
Product Use:	Cleaner and Degreaser
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
<b>Emergency Telephone:</b>	<b>09 526 5700</b> <b>0800 766 764 (National Poison Centre)</b>
Manufacturer:	The RetroSeal Corp, 2601 Spenwick Dr, Houston, USA
Date of MSDS Preparation:	14 March 2017 – ver 2

<b>Section 2.</b>	<b>Hazards Identification</b>
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**The Manufacturer has stated that this substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001***

**Methylene chloride is a suspect carcinogen (class 6.7B)**

<b>Section 3.</b>	<b>Composition / Information on Ingredients</b>
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Ingredients	Wt%	CAS NUMBER.
Methylene Chloride	Not available	75-09-2

<b>Section 4.</b>	<b>First Aid Measures</b>
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Routes of Exposure:

If in Eyes	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
If on Skin	Remove contaminated clothing and wash skin with warm soapy water. If irritation occurs, get medical assistance
If Swallowed	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
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.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Aerosols – non-flammable
<b>Hazards from decomposition products</b>	Aerosol cans are under pressure - exposure to temperatures above 49°C can cause bursting or "rocketing" of cans.
<b>Suitable Extinguishing media</b>	Foam, dry chemical, CO <sub>2</sub> , or water fog.
<b>Precautions for firefighters and special protective clothing</b>	Wear self-contained full face piece breathing apparatus and full body protective clothing. Evacuate area. Dike area as run-off may create additional environmental contamination.
<b>HAZCHEM CODE</b>	<b>Non allocated</b>

**Section 6. Accidental Release Measures**

Use absorbent materials to prevent footing hazard and to contain. Ventilate area with forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

**Section 7. Handling and Storage**

**Handling** Shake well before using. Keep away from heat and open flames. Prolonged exposure to direct sunshine or storage above 49°C may cause can to burst. Do not puncture or incinerate can.

**Storage** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions.

**Section 8 Exposure Controls / Personal Protection****WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	CAS #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Methylene chloride (A3 CARCINOGEN) [75-09-2]		50	174		

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** Local exhausts acceptable

**Personal Protection**

**Respiratory:** In confined, poorly ventilated areas, use approved air purifying or supplied air respirators during soldering operations until fumes have dissipated. See "A Guide to Respiratory Protection" booklet downloadable from the Dept of Labour website.

<b>Gloves:</b>	Wear rubber gloves
<b>Eyes:</b>	Safety glasses (ANSI Z-87.1 or equivalent)
<b>Clothing:</b>	Chemical resistant coveralls recommended.
<b>Other:</b>	Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Clear Liquid
<b>Odour</b>	Citrus Odour
<b>Flash Point</b>	Not Applicable
<b>Boiling Point</b>	40°C @ 760mm Hg
<b>Vapor pressure (mm hg):</b>	350 mm hg @ 20°C
<b>Vapour Density (Air = 1)</b>	2.9
<b>Evaporation Rate (ethyl acetate = 1):</b>	>1
<b>Specific Gravity</b>	1.27
<b>Solubility in Water</b>	Insoluble

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Stable
<b>Conditions to Avoid</b>	Do not store in temperatures above 49°C
<b>Incompatible Materials</b>	Oxidizers, acids and bases.
<b>Hazardous Decomposition Products</b>	CO, CO <sub>2</sub> , and fragmented hydrocarbons.

## Section 11 Toxicological Information

Methylene Chloride

Oral-Rat LD50:1410 mg/kg  
Inhalation-Rat LC50:88,000 mg/m<sup>3</sup>/30M

### Acute hazards

Repeated inhalation may cause dizziness, nausea and CNS effects. May cause severe eye and skin irritation.

### Route of Exposure, Signs and Symptoms

#### Inhalation

Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

#### Eye contact

Contact with eyes may cause severe irritation.

#### Skin contact

Irritation and drying.

#### Ingestion

May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

#### **Chronic hazards**

Skin irritation, contact dermatitis, and defatting.

#### **Medical conditions aggravated by exposure**

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

### **Section 12. Ecotoxicological Information**

The manufacturer has stated that this has no environmental hazards

### **Section 13. Disposal Considerations**

Empty containers can be disposed of in trash. Full containers should be depressurized to separate liquid phase. The liquid phase is considered a U080 waste and should be incinerated. Dispose of all liquid waste in accordance with all local, state and federal regulations.

### **Section 14 Transport Information**

Classified as a Dangerous Good for transport

Road and Rail Transport (in NZ ; NZS 5433:2007)

UN No:	1950
Class-primary	2.2
Packing Group	Not allocated
Proper Shipping Name:	AEROSOLS

#### Air Transport

UN No:	1950
Class-primary	2.2
Packing Group	Not allocated
Proper Shipping Name:	AEROSOLS

#### Marine Transport

UN No:	1950
Class-primary	2.2
Packing Group	Not allocated
Proper Shipping Name:	AEROSOLS

### **Section 15 Regulatory Information**

Allocated to HSNO Group Standard "Cleaning Products (Toxic 6.7) HSR002531

### **Section 16 Other Information**

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

#### Disclaimer

Product Name: K.O.Dirt Blaster™  
Date of MSDS: 12 January 2012

Item No: N0734

Issued by: Realcold Ltd  
Tel: 64 9 526 5700

This document has been issued by Realcold Limited and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Realcold Limited or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Realcold Limited have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Realcold Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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

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