

# SAFETY DATA SHEET

## CO CONTACT CLEANER (AEROSOL) (POST JUNE 2010)

Infosafe No.: AZ006  
ISSUED Date : 12/02/2015  
ISSUED by: CRC INDUSTRIES (AUST) PTY LIMITED

### 1. IDENTIFICATION

**GHS Product Identifier**

CO CONTACT CLEANER (AEROSOL) (POST JUNE 2010)

**Product Code**

2015, 2016

**Company Name**

CRC INDUSTRIES (AUST) PTY LIMITED

**Address**

9 Gladstone Road Castle Hill  
NSW 2154 Australia

**Telephone/Fax Number**

Tel: (02) 9849 6700

Fax: (02) 9680 4914

**Emergency phone number**

13 11 26 (PIC)

**E-mail Address**

info@crcind.com.au

**Recommended use of the chemical and restrictions on use**

CLEANING AGENT · ELECTRICAL CLEANER

**Other Names**

Name	Product Code
CLEANERS - PRECISION ELECTRONIC	
CRC 2015	
CRC 2015, 2016 CO CONTACT CLEANER (AEROSOL)	
CRC 2016	

### 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Dangerous Goods.

Hazardous substance.

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H336 May cause drowsiness or dizziness.

**Pictogram (s)**

Flame, Exclamation mark

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### Precautionary statement – Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

### Precautionary statement – Response

P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

### Precautionary statement – Storage

P403+ P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+ P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.

### Precautionary statement – Disposal

P501 Dispose of contents/container in accordance with relevant regulations.

### Other Information

GHS classification(s):

Aerosols: Category 1

Specific Target Organ Systemic Toxicity (Single Exposure): Category 3

Other hazards:

No information provided.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Name	CAS	Proportion
HYDROCARBONS C <sub>&gt;=5</sub> , C5-6 RICH	68476-50-6	>60 %
Carbon Dioxide (propellant)	124-38-9	1-10 %
COZOL 404		1-5 %

### Other Information

Ingredient: HYDROCARBONS C<sub>>=5</sub>, C5-6 RICH

EC Number: 270-690-8

Ingredient: CARBON DIOXIDE (PROPELLANT)

EC Number: 204-696-9

## 4. FIRST-AID MEASURES

### Inhalation

If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

### Ingestion

For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form.

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### **Skin**

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

### **Eye contact**

If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

### **First Aid Facilities**

No information provided.

### **Indication of immediate medical attention and special treatment needed if necessary**

Treat symptomatically.

### **Most important symptoms/effects, acute and delayed**

See Section 11 for more detailed information on health effects and symptoms.

## 5. FIRE-FIGHTING MEASURES

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### **Suitable Extinguishing Media**

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

### **Specific Methods**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### **Specific Hazards Arising From The Chemical**

Highly flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Vapour may form explosive mixtures with air. Eliminate all ignition sources, including cigarettes, open flames, spark producing switches/tools, heaters, pilot lights, mobile phones, etc when handling. Aerosol cans may explode above 50°C.

### **Hazchem Code**

2YE

### **Decomposition Temperature**

NOT AVAILABLE

### **Other Information**

2 Fine Water Spray.

Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.

## 6. ACCIDENTAL RELEASE MEASURES

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### **Emergency Procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible.

### **Methods And Materials For Containment And Cleaning Up**

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

### **Environmental Precautions**

Prevent product from entering drains and waterways.

### **Other Information**

Reference to other sections:

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

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### **Precautions for Safe Handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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### Conditions for safe storage, including any incompatibilities

Store in a cool (< 50°C), dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure aerosol containers/ cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/ leaking containers. Large storage areas should have appropriate fire protection systems.

### Additional information on precautions for use

No information provided.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

Ingredient: Carbon dioxide

Reference: SWA (AUS)

TWA ppm: 5000

TWA mg/m<sup>3</sup>: 9000

STEL ppm: 30000

STEL mg/m<sup>3</sup>: 54000

Ingredient: Carbon dioxide in coal mines

Reference: SWA (AUS)

TWA ppm: 12500

TWA mg/m<sup>3</sup>: 22500

STEL ppm: 30000

STEL mg/m<sup>3</sup>: 54000

### Biological Limit Values

No biological limit values have been entered for this product.

### Appropriate Engineering Controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated or confined areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

### Respiratory Protection

At high vapour levels, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator. Where the boiling point is < 65°C, use an AX filter type.

### Eye Protection

Wear splash-proof goggles.

### Hand Protection

Wear nitrile or neoprene gloves.

### Body Protection

Not required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Form

Liquid

### Appearance

CLEAR COLOURLESS LIQUID (AEROSOL DISPENSED)

### Odour

LIGHT ETHEREAL ODOUR

### Decomposition Temperature

NOT AVAILABLE

### Melting Point

NOT AVAILABLE

### Boiling Point

51°C

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### **Solubility in Water**

INSOLUBLE

### **Specific Gravity**

0.69

### **pH**

NOT AVAILABLE

### **Vapour Pressure**

NOT AVAILABLE

### **Vapour Density (Air=1)**

NOT AVAILABLE

### **Evaporation Rate**

NOT AVAILABLE

### **Odour Threshold**

NOT AVAILABLE

### **Viscosity**

NOT AVAILABLE

### **Partition Coefficient: n-octanol/water**

NOT AVAILABLE

### **Flash Point**

<0°C

### **Flammability**

HIGHLY FLAMMABLE

### **Auto-Ignition Temperature**

NOT AVAILABLE

### **Explosion Limit - Upper**

7.0 %

### **Explosion Limit - Lower**

1.0 %

### **Explosion Properties**

NOT AVAILABLE

### **Oxidising Properties**

NOT AVAILABLE

## 10. STABILITY AND REACTIVITY

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### **Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

### **Chemical Stability**

Stable under recommended conditions of storage.

### **Conditions to Avoid**

Avoid heat, sparks, open flames and other ignition sources.

### **Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

### **Hazardous Decomposition Products**

May evolve carbon oxides and hydrocarbons when heated to decomposition.

### **Possibility of hazardous reactions**

Polymerization is not expected to occur.

## 11. TOXICOLOGICAL INFORMATION

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### Toxicology Information

Toxicity data:

CARBON DIOXIDE (PROPELLANT) (124-38-9)

LCLo (inhalation) 9 pph/5M (human)

#### Ingestion

May be harmful. Ingestion may result in nausea, vomiting, abdominal pain and drowsiness with large quantities. Aspiration or inhalation may cause chemical pneumonitis and pulmonary oedema. Ingestion is considered unlikely due to product form.

#### Inhalation

Irritant. Over exposure may result in irritation of the nose and throat, coughing and headache. High level exposure may result in nausea, dizziness and drowsiness.

#### Skin

Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis.

#### Eye

Irritant. Contact may result in irritation, lacrimation, pain and redness.

#### Health Hazard

May be harmful - irritant. This product may only have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents). Use safe work practices to avoid eye or skin contact and vapour generation - inhalation. Over exposure may result in central nervous system (CNS) effects.

## 12. ECOLOGICAL INFORMATION

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#### Ecotoxicity

No information provided.

#### Persistence and degradability

No information provided.

#### Mobility

No information provided.

#### Bioaccumulative Potential

No information provided.

#### Other Adverse Effects

No information provided.

## 13. DISPOSAL CONSIDERATIONS

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#### Waste Disposal

For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required).

#### Local Legislation

Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

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#### U.N. Number

1950

#### UN proper shipping name

AEROSOLS

#### Transport hazard class(es)

2.1

#### Hazchem Code

2YE

#### IERG Number

49

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## Special Precautions for User

GTEPG: 2D1  
EMS: F-D, S-U

## Other Information

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

### LAND TRANSPORT (ADG):

UN Number: 1950  
Proper Shipping Name: AEROSOLS  
Transport hazard class: 2.1  
Packing Group: None Allocated

### SEA TRANSPORT (IMDG/IMO):

UN Number: 1950  
Proper Shipping Name: AEROSOLS  
Transport hazard class: 2.1  
Packing Group: None Allocated

### SEA TRANSPORT (IMDG/IMO):

UN Number: 1950  
Proper Shipping Name: AEROSOLS  
Transport hazard class: 2.1  
Packing Group: None Allocated

Environmental hazards: No information provided.

## 15. REGULATORY INFORMATION

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### Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Poison schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### Classifications:

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC; 1008(2004)].

### Poisons Schedule

Not Scheduled

### Symbol

F+: Extremely flammable  
Xn: Harmful

### Australia (AICS)

All components are listed on AICS, or are exempt.

## 16. OTHER INFORMATION

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### User Codes

User Title Label	User Codes
Wis Numbers	03967108
Wis Numbers	03967205

### Signature of Preparer/Data Service

Prepared by:  
Risk Management Technologies  
5 Ventnor Ave, West Perth

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Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au.

### Other Information

AEROSOL CANS may explode at temperatures approaching 50°C.

RESPIRATORS; In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

### Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists  
CAS#: Chemical Abstract Service number - used to uniquely identify chemical compounds  
CNS: Central Nervous System  
EC No.: EC No - European Community Number  
EMS: Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)  
GHS: Globally Harmonized System  
GTEPG: Group Text Emergency Procedure Guide  
IARC: International Agency for Research on Cancer  
LC50: Lethal Concentration, 50% / Median Lethal Concentration  
LD50: Lethal Dose, 50% / Median Lethal Dose  
mg/m<sup>3</sup>: Milligrams per Cubic Metre  
OEL: Occupational Exposure Limit  
pH: relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
ppm: Parts Per Million  
STEL: Short-Term Exposure Limit  
STOT-RE: Specific target organ toxicity (repeated exposure)  
STOT-SE: Specific target organ toxicity (single exposure)  
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons  
SWA: Safe Work Australia  
TLV: Threshold Limit Value  
TWA: Time Weighted Average

Revision: 2.0

Description: GHS classifications provided.

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