



MATERIAL SAFETY DATA SHEET

Product Name **CRC GLASS CLEANER**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name CRC INDUSTRIES (AUST) PTY LIMITED
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Web Site http://www.crcind.com.au/
Synonym(s) 3070 (CRC GLASS CLEANER) • 3070 - PRODUCT CODE • GLASS CLEANER
Use(s) GLASS CLEANER
SDS Date 01 Apr 2010

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA

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

| | | | | | |
|----------------------|----------------|---------------------|-----|---------------------------|----------------|
| UN No. | 1950 | DG Class | 2.2 | Subsidiary Risk(s) | None Allocated |
| Packing Group | None Allocated | Hazchem Code | 2Y | EPG | 2D1 |

3. COMPOSITION/ INFORMATION ON INGREDIENTS

| Ingredient | Formula | CAS No. | Content |
|-------------------------------|-----------------|---------------|---------|
| LIQUEFIED PETROLEUM GAS (LPG) | C3H8/C3H6/C4H10 | 68476-85-7 | 1-9% |
| WATER | H2O | 7732-18-5 | >60% |
| ALCOHOL(S) | Not Available | Not Available | 1-9% |
| GLYCOL ETHER | Not Available | Not Available | 1-9% |

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

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 on 13 11 26 (Australia Wide) or a doctor.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Advice to Doctor Treat symptomatically

5. FIRE FIGHTING MEASURES

| | |
|---------------------------|--|
| Flammability | Non flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. |
| Fire and Explosion | Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. 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. |
| Extinguishing | Prevent contamination of drains or waterways. |
| Hazchem Code | 2Y |

6. ACCIDENTAL RELEASE MEASURES

| | |
|-----------------|--|
| Spillage | Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbant material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. |
|-----------------|--|

7. STORAGE AND HANDLING

| | |
|-----------------|---|
| Storage | Store in a cool, dry, well ventilated area, removed from oxidising agents, alkalis, acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. |
| 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. |

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

| Exposure Stds | Ingredient | Reference | TWA | | STEL | |
|---------------|-------------------------------|------------|------|-------|------|-------|
| | | | ppm | mg/m3 | ppm | mg/m3 |
| | LIQUEFIED PETROLEUM GAS (LPG) | ASCC (AUS) | 1000 | 1800 | 1000 | 1800 |

| | |
|-----------------------------|--|
| Biological Limits | No biological limit allocated. |
| Engineering Controls | Avoid inhalation. Use in well ventilated areas. |
| PPE | Wear splash-proof goggles. With prolonged use, wear: rubber or PVC gloves. |



9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------|---|------------------------------|---------------|
| Appearance | CLEAR COLOURLESS LIQUID (AEROSOL DISPENSED) | Solubility (Water) | INSOLUBLE |
| Odour | SOLVENT ODOUR | Specific Gravity | 1.44 - 1.56 |
| pH | NOT AVAILABLE | % Volatiles | > 99 % |
| Vapour Pressure | 18 mm Hg @ 20°C | Flammability | NON FLAMMABLE |
| Vapour Density | > 1 (Air = 1) | Flash Point | NOT RELEVANT |
| Boiling Point | 55°C to 60°C | Upper Explosion Limit | NOT RELEVANT |
| Melting Point | < 0°C | Lower Explosion Limit | NOT RELEVANT |
| Evaporation Rate | AS FOR WATER | | |

10. STABILITY AND REACTIVITY

| | |
|----------------------------|---|
| Chemical Stability | Stable under recommended conditions of storage. |
| Conditions to Avoid | Avoid heat, sparks, open flames and other ignition sources. |
| Material to Avoid | Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources. |
| Decomposition | May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. |
| Hazardous Reactions | Polymerization is not expected to occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|------------------------------|--|
| Health Hazard Summary | Low toxicity - irritant. Use safe work practices to avoid eye or skin contact and inhalation. When used in small quantities, the potential for over exposure is reduced. Chronic exposure to some glycols may result in liver and kidney damage. Dilution may reduce the potential for adverse health effects. |
| Eye | Irritant. Contact may result in irritation, lacrimation, pain and redness. |
| Inhalation | Irritant. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in respiratory irritation, nausea, dizziness, headache and possible breathing difficulties. |
| Skin | Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis. |
| Ingestion | Low toxicity. Ingestion may result in gastrointestinal irritation, nausea and vomiting. Aspiration may result in chemical pneumonitis and pulmonary oedema. |
| Toxicity Data | No LD50 data available for this product. |

12. ECOLOGICAL INFORMATION

| | |
|--------------------|--|
| Environment | Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment. |
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13. DISPOSAL CONSIDERATIONS

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|-----------------------|---|
| Waste Disposal | For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts, contact the manufacturer for additional information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result. |
| Legislation | Dispose of in accordance with relevant local legislation. |

14. TRANSPORT INFORMATION



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

| | | | | | |
|----------------------|----------------|---------------------|-----|---------------------------|----------------|
| Shipping Name | AEROSOLS | | | | |
| UN No. | 1950 | DG Class | 2.2 | Subsidiary Risk(s) | None Allocated |
| Packing Group | None Allocated | Hazchem Code | 2Y | EPG | 2D1 |

15. REGULATORY INFORMATION

| | |
|------------------------|---|
| Poison Schedule | A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). |
| AICS | All chemicals listed on the Australian Inventory of Chemical Substances (AICS). |

16. OTHER INFORMATION

| | |
|-------------------------------|---|
| Additional Information | EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation). |
|-------------------------------|---|

Product Name **CRC GLASS CLEANER**

ABBREVIATIONS:

ADB - Air-Dry Basis.
BEI - Biological Exposure Indice(s)
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS - Central Nervous System.
EINECS - European INventory of Existing Commercial chemical Substances.
IARC - International Agency for Research on Cancer.
M - moles per litre, a unit of concentration.
mg/m³ - Milligrams per cubic metre.
NOS - Not Otherwise Specified.
NTP - National Toxicology Program.
OSHA - Occupational Safety and Health Administration.
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million.
RTECS - Registry of Toxic Effects of Chemical Substances.
TWA/ES - Time Weighted Average or Exposure Standard.

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 Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert 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.

Report Status

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer 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 RMT has 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, RMT accepts 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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End of Report