



The Chemistry of Cleaning™

ABN 80 004 726 890 | MADE IN AUSTRALIA

VIC 03 9480 3000  
NSW 02 9743 6020  
SA 08 8293 2020  
QLD 07 3274 3438  
WA 08 9249 4566

## Safety Data Sheet

Issued: October 2024

**Section 1 - Identification of the Material and Supplier**

**Chemical nature:** Water solution of antifreeze, surfactants and other ingredients.  
**Trade Name:** COLD KING COOL ROOM CLEANER  
**Product Code:** COL5, COL20  
**Product Use:** Cool room cleaner.  
**Creation Date:** October, 2024  
**This version issued:** This SDS shall remain valid for 5 years unless a new SDS is issued in the meantime. Please contact Agar Cleaning Systems P/L to ensure you have the latest version of this product's SDS.

**Poisons Information Centre: Phone 13 1126 from anywhere in Australia**

**SUPPLIER DETAILS**

Company: Agar Cleaning Systems Pty. Ltd.  
Address: 12-14 Cope Street, Preston, Vic. 3072 AUSTRALIA  
Telephone: 03 9480 3000 Facsimile: 03 9480 5100  
Web: [www.agar.com.au](http://www.agar.com.au) Agar SDS are available from this website.  
Email: [sales@agar.com.au](mailto:sales@agar.com.au)

**Section 2 - Hazards Identification****Statement of Hazardous Nature**

This product is classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

**SUSMP Classification:** S6.

**ADG Classification:** None allocated.

**UN Number:** None allocated.

**GHS Signal word: WARNING**

Acute Toxicity (Oral) – Category 5  
Skin Corrosion/Irritation - Category 2  
Eye Damage/Irritation - Category 2  
Specific Target Organ Toxicity (Single Exposure) - Category 3  
Specific Target Organ Toxicity (Repeated Exposure) – Category 2

**HAZARD STATEMENT:**

H303: May be harmful if swallowed.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H373: May cause damage to organs through prolonged or repeated exposure.

**PREVENTION**

P102: Keep out of reach of children.  
P260: Do not breathe mists, vapours or spray.  
P264: Wash contacted areas thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves and eye or face protection.

**RESPONSE**

P301+P312: IF SWALLOWED: Call a POISON CENTRE phone Australia 131 126 or doctor if you feel unwell.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P332+P313: If skin irritation occurs: Get medical advice.  
P362+P364: Take off contaminated clothing and wash it before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTRE phone Australia 131 126 or doctor if you feel unwell.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice.

#### STORAGE

P405: Store locked up.

#### DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

### Emergency Overview

**Physical Description & Colour:** Clear, red liquid.

**Odour:** None.

**Major Health Hazards:** May be harmful if swallowed. Causes serious eye irritation and skin irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Ethylene Glycol	107-21-1	30 - 60	52	104
Isopropanol	67-63-0	< 10	983	1230
Ethanolamine	141-43-5	< 1	7.5	15
Nonionic Surfactants	secret	< 1	not set	not set
Other non-hazardous ingredients	various	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call the Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**Skin Contact:** Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If irritation occurs, obtain medical advice immediately. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre or call a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be irritating if inhaled.

**Extinguishing Media:** Not combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

<b>Upper Flammability Limit:</b>	Does not burn.
<b>Lower Flammability Limit:</b>	Does not burn.
<b>Autoignition temperature:</b>	Not applicable - does not burn.
<b>Flammability Class:</b>	Does not burn.

## Section 6 - Accidental Release Measures

**Accidental release:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Otherwise, not normally necessary.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Make sure that containers of this product are kept tightly closed.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>SWA Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
Ethylene Glycol	52	104
Isopropanol	983	1230
Ethanolamine	7.5	15

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

**Eye Protection:** Eye protection, such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** Prevent skin contact by wearing impervious gloves, clothes and preferably, apron. Make sure that all skin areas are covered.

**Respirator:** Usually, no respirator is necessary when using this product.

## Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Clear, red liquid.
<b>Odour:</b>	None.
<b>Boiling Point:</b>	Approximately 100°C at 100kPa.
<b>Freezing/Melting Point:</b>	Below 0°C.
<b>Volatiles:</b>	No data.
<b>Vapour Pressure:</b>	No data.

<b>Vapour Density:</b>	No data.
<b>Specific Gravity:</b>	1.06
<b>Water Solubility:</b>	Completely soluble in water.
<b>pH:</b>	10.5 – 11.5
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Coeff Oil/water Distribution:</b>	No data
<b>Autoignition temp:</b>	Not applicable - does not burn.

### Section 10 - Stability and Reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** Keep containers tightly closed.

**Incompatibilities:** Strong acids, oxidising agents.

**Fire Decomposition:** Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form hydrogen chloride gas, other compounds of chlorine. Sodium compounds. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

#### Information on toxicological effects:

Acute toxicity	May be harmful if swallowed.
Skin corrosion/irritation	Irritant.
Serious eye damage/irritation	Serious eye irritation.
Respiratory or skin sensitisation	No known significant effects or hazards.
Germ cell mutagenicity	No known significant effects or hazards.
Carcinogenicity	No known significant effects or hazards.
Reproductive toxicity	No known significant effects or hazards.
Specific target organ toxicity (STOT)- single exposure	May cause respiratory irritation.
Specific target organ toxicity (STOT)- repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	No known significant effects or hazards.

### Classification of Hazardous Ingredients

<b>Ingredient:</b>	<b>Health effects:</b>
Ethylene Glycol	Harmful if swallowed. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.
Isopropanol	Serious eye irritation. May cause drowsiness or dizziness.
Ethanolamine	Harmful if swallowed. Skin burns and serious eye damage. May cause respiratory irritation.
Nonionic surfactants	Harmful if swallowed. Skin irritation and serious eye damage.

### Potential Health Effects

#### Inhalation:

**Short Term Exposure:** Available data indicates that this product is not harmful. However, product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

**Long Term Exposure:** No data for health effects associated with long term inhalation.

**Skin Contact:**

**Short Term Exposure:** This product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but if treated promptly, all should disappear once exposure has ceased.

**Long Term Exposure:** No data for health effects associated with long term skin exposure.

**Eye Contact:**

**Short Term Exposure:** This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased.

**Long Term Exposure:** No data for health effects associated with long term eye exposure.

**Ingestion:**

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. May be harmful if swallowed. This product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

**Long Term Exposure:** No data for health effects associated with long term ingestion.

**Carcinogen Status:**

**SWA:** No significant ingredient is classified as carcinogenic by SWA.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

**Section 12 - Ecological Information**

This product is biodegradable. Expected not to be an environmental hazard.

**Section 13 - Disposal Considerations**

**Disposal:** Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

**Section 14 - Transport Information**

**UN Number:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

**Section 15 - Regulatory Information**

**AICS:** All of the significant ingredients in this formulation are compliant with AICS regulations. The following ingredients are mentioned in the SUSMP: Ethylene glycol and Ethanolamine.

**Section 16 - Other Information**

**This SDS contains only safety-related information. For other data see product literature.**

**Abbreviations and Definitions of terms used:**

<	Less than.
>	Greater than.
ADG CODE	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition).
AICS	Australian Inventory of Chemical Substances.
CAS	Chemical Abstracts Service (Registry Number).
COD	Chemical Oxygen Demand.
°C	Degrees Celsius.
g	Gram.
g/L	Grams per litre.
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
HSIS	Hazardous Substance Information System.
IARC	International Agency for Research on Cancer.
kg	Kilogram.
L	Litre.

miscible	A liquid that mixes homogeneously with another liquid.
N/A	Not Applicable.
N/K	Not Known.
NIOSH	National Institute for Occupational Safety and Health.
non-haz	Non- hazardous.
NOS	Not Otherwise Specified.
NTP	National Toxicology Program (USA).
PEL	Permissible Exposure Limit.
ppb	Parts per billion.
ppm	Parts per million.
R-Phrase	Risk Phrase.
STEL	Short Term Exposure Limit.
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons.
SWA	Safe Work Australia, formerly ASCC and

LC50	The concentration of a material (inhaled) that will be lethal to 50% of the test animals.
LD50	The dose (swallowed all at once) which is lethal to 50% of a group of test animals.
m <sup>3</sup>	Cubic metre.
mg	Milligram.
mg/m <sup>3</sup>	Milligrams per cubic metre.

	NOHSC.
TLV	Threshold Limit Value.
TWA	Time Weighted Average.
UN Number	United Nations Number.
wt	Weight.

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO PROVIDE ADDITIONAL INFORMATION.

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

**Please read all labels carefully before using product.**

The information in this Data Sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. As far as lawfully possible, Agar Cleaning Systems accepts no liability for any loss, injury or damage (including consequential loss) suffered or incurred by any person as a consequence of reliance on the information and advice contained herein.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (June 2023) and is Copyright ©.

End of SDS.