



SAFETY DATA SHEET	
CUSTOM CHEMICALS INTERNATIONAL	Product: RED GUM DISINFECTANT
Date of Issue: APRIL 2013	Page 1 of Total 6

SECTION 1 – STATEMENT OF HAZARDOUS NATURE, CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: Custom Chemicals International Pty Ltd
ADDRESS: 103-107 Potassium Street, Narangba 4504 Queensland Australia
Trade Name: **“RED GUM” DISINFECTANT CLEANER**
TELEPHONE: +617 3204 8300 **FAX:** +617 3204 8311
AHEMERGENCY TELEPHONE: 13 1126 in Australia **ABN:** 73 050 573 674
Substance: Water-based **Product Use:** Disinfectant
Creation Date: APRIL 2013 **Revision Date:** APRIL 2018
Product Code: 0010053; 0050580[5L], 0050585[15L], 0050581[20L]

SECTION 2 – HAZARDS IDENTIFICATION

- This product is **NOT classified as HAZARDOUS** according to criteria of Safe Work Australia.
- This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code.
- This product is **NOT classified as a Scheduled Poison** according to the SUSMP.

Approved NOHSC

Criteria Classification	Not hazardous	ADG Classification	None allocated
UN Number	None allocated	ADG Subsidiary Risk	None allocated
Shipping Name	None allocated	Packing Group	None allocated
Hazchem Code	None allocated		
SUSMP Classification	None allocated		

EMERGENCY OVERVIEW

Colour	Red	Odour	Eucalyptus
Physical Description	Liquid	Viscosity	Non-viscous liquid
Major Health Hazards	None known		

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from Safe Work Australia publication **“Hazardous Substances Information System”** or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication **“Approved Criteria for Classifying Hazardous Substances”**.

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
Quaternary ammonium compounds	63449-41-2	< 10 % w/w	not set	not set
Ingredients determined to be non-hazardous	Various	< 10% w/w	not set	not set
Water	7732-18-5	> 60% w/w	not set	not set

The **TWA** exposure value is the Time Weighted 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 should not be exceeded for more than 15 minutes and should not be repeated for 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

Scheduled Poisons Not classified as a Scheduled Poison.
First Aid Facilities Normal washroom facilities.
Skin contact Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.



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Eye contact	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor) if required.
Inhalation	Remove person to fresh air- avoid exposure. Seek medical advice (e.g. doctor) if required.
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centres in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
Aggravated Medical Conditions	None known.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Water based. Not combustible. However if involved in a fire will emit toxic fumes.
Extinguishing Media	Use carbon dioxide (CO ₂) fire extinguisher, water fog or fine water spray.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
Flash Point	> 61 °C

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	No HAZCHEM code.
Occupational Release	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water-courses. For large spills, or tank rupture, consider initial evacuation distance of 200 metres in all directions. Stop leak if safe to do so. If available, use water spray to disperse vapour. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

SECTION 7 – HANDLING AND STORAGE

Handling	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
Storage	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times . check regularly for leaks.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION



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Exposure Limits

National Occupational Exposure Limits, as published by Safe Work Australia:

Time-weighted Average (TWA): None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

Short Term Exposure Limit (STEL): None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

Biological Limit Value

None established for product.

Engineering Controls

No special requirements.

Personal Protective Equipment

This product is not classified as hazardous according to the criteria of Safe Work Australia. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;

Eye Protection

Generally not required to handle properly diluted solutions of the product. The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Skin Protection

Generally not required to handle diluted solutions of the product. Overalls, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

Protective Material Types

Material suitable for detergent contact . Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

Respirator

Not required for normal cleaning operations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Colour	Red
Odour	Eucalyptus odour	Specific Gravity	1.0 @ 25 °C
Boiling Point	Approximately 100 °C	Freezing Point	Approximately 0 °C
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Not flammable	Flammable Limits	None
Water Solubility	Miscible in all proportions	pH	6.5 . 7.5 neat
Volatile Organic Compounds (VOC)	0 % v/v	Coefficient of Water/Oil Distribution	Not available
Viscosity	Not available	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	Ca 90 % v/v

SECTION 10 – STABILITY AND REACTIVITY**Chemical Stability**

Stable at normal temperatures and pressure.

Conditions to Avoid

May corrode mild steel, copper, aluminium and zinc fittings. May accelerate environmental stress cracking of some polymers. Natural rubber is unaffected but some synthetic rubbers may develop surface stickiness. Incompatible with anionic surfactants, certain inorganic silicates and nitric acid.

Incompatible Materials

Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours on burning.

Hazardous**Decomposition Products**

Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.

Hazardous Reactions

None known.



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SECTION 11 – TOXICOLOGICAL INFORMATION

PRODUCT MIXTURE INFORMATION

Local Effects Mild irritant: eye, skin, inhalation and ingestion.
Target Organs Eyes, mucous membranes, skin.

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion

short term exposure Harmful if swallowed. Ingestion of this product may cause nausea, vomiting, abdominal pain and irritation to the mouth, throat and stomach.
long term exposure No information available.

Skin contact

short term exposure Mild irritant. Skin contact can cause redness, itching, irritation, if extended contact with concentrated product.
long term exposure Prolonged and repeated skin contact with undiluted solutions may induce eczematoid dermatitis.

Eye contact

short term exposure Eye contact will cause stinging, blurring, tearing, pain.
long term exposure No information available.

Inhalation

short term exposure Inhalation of mists or aerosols can produce mucous membrane and respiratory irritation.
long term exposure No information available.

Carcinogen Status

Safe Work Australia No significant ingredient is classified as carcinogenic by Safe Work Australia.
NTP No significant ingredient is classified as carcinogenic by NTP.
IARC No significant ingredient is classified as carcinogenic by IARC.

Medical conditions aggravated by exposure

No information available.

CLASSIFICATION OF INDIVIDUAL INGREDIENTS

NOTE : This information relates to each individual ingredient, when evaluated as pure undiluted chemical. See SECTION 3 for actual proportions of ingredients present in this product.

Ingredients

R-Phrases.

Quaternary ammonium compounds

R21/22, R34, R50

100% QUATERNARY AMMONIUM COMPOUNDS

Irritation Data Very hazardous in case of skin contact (irritant), of ingestion, Hazardous in case of skin contact (corrosive), of eye contact (corrosive), of inhalation (lung corrosive). Skin . moderate irritant (rabbit). Eyes . severe irritant (rabbit)
Toxicity Data Acute oral toxicity (LD50): 240 mg/kg [Rat].
Local Effects Corrosive: inhalation, skin, eye.
Target Organs May cause damage to the following organs: kidneys, liver, heart, gastrointestinal tract, cardiovascular system, central nervous system (CNS).
Acute Toxicity Level No available information.
Mutagenic Data No available information.
Reproductive Data No available information.
Carcinogenicity Not classed as a carcinogen by Safe Work Australia.



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SECTION 12 – ECOLOGICAL INFORMATION

Fish toxicity	Harmful to aquatic organisms. LC50 (fish) 50mg/L (calculated)
Algae toxicity	None available for specific product.
Invertebrates toxicity	None available for specific product.
Toxicity to Bacteria	None available for specific product.
OECD Biological degradation	Individual components stated to be biodegradable.
General	Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal	To dispose of quantities of undiluted product, refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. As with any chemical, do not put down the drain in quantity. The small quantities contained in wash solutions (when used as directed) can generally be handled by conventional sewage systems, septics, and grey water systems. For larger scale use, eg. Commercial laundry operations, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer.
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SECTION 14 – TRANSPORT INFORMATION

UN Number	None allocated	ADG Classification	None allocated
Shipping Name	None allocated	ADG Subsidiary Risk	None allocated
Hazchem Code	None allocated	Packing Group	None allocated
Packaging Method	None allocated	Special Provisions	None allocated
Segregation	None allocated		

SECTION 15 – REGULATORY INFORMATION

AICS	All ingredients present on AICS.
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SECTION 16 – OTHER INFORMATION

Labeling Details	
HAZARD	Not hazardous
RISK PHRASES	R52 Harmful to aquatic organisms.
SAFETY PHRASES	S61 Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.
SUSMP	None allocated
ADG Code	None allocated
Acronyms	
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons.
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail.
CAS Number	Chemical Abstracts Service Registry Number.
UN Number	United Nations Number.
R-Phrases	Risk Phrases.
HAZCHEM	An emergency action code of numbers and letters, which gives information to emergency services.
NOHSC	National Occupational Health and Safety Commission.
NTP	National Toxicology Program (USA).
IARC	International Agency for Research on Cancer.



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AICS	Australian Inventory of Chemical Substances.
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
Literature References	Australian Code For The Transport Of Dangerous Goods By Road And Rail . Seventh Edition. Standard for the Uniform Scheduling of Medicines and Poisons 2011. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)] Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)] Material Safety Data Sheets . individual raw materials . Suppliers. HSIS . Hazardous Substance Information System . National Worksafe Data Base.
Revision Information	New Issue to standard: 2nd Edition [NOHSC:2011(2003)].
Note	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
Contact Point	Regulatory Affairs Manager. Telephone (07) 3204 8300
Issue Date	APRIL 2013 Supersedes Issue Date APRIL 2008

This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.