



SAFETY DATA SHEET	
CUSTOM CHEMICALS INTERNATIONAL	Product: 4 IN 1 LEMON
Date of Issue: JUNE 2012	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: **“4 IN 1 LEMON” DISINFECTANT**
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: JUNE 2012 **Revision Date:** JUNE 2017
Product Code: 0050620[5L], 0050621[20L], 0050622 [200L], 0050626[5L]

SECTION 2 – HAZARDS IDENTIFICATION

- This product is **NOT classified as HAZARDOUS** according to criteria of the National Occupational Health and Safety Commission 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 Criteria Classification	Not hazardous		
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
SUSMP Classification	None allocated		
EMERGENCY OVERVIEW			
Colour	Gold	Odour	Fragrant - lemon
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 NOHSC publication “List of Designated Hazardous Substances” 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 a scheduled poison. Poisons Information Centre 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).



SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: **4 IN 1 LEMON**

Date of Issue: JUNE 2012

Page 2 of Total 6

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.
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).
Inhalation	Remove victim to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor) if any symptoms persist.
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
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 an extinguishing media suitable for surrounding fires.
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	Not combustible.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	No HAZCHEM code.
Occupational Release	Minor spills do not normally need any special clean-up measures. Rinse with water. In the event of a major spill, prevent spillage from entering drains or water courses. For large spills, or tank rupture, stop leak if safe to do so. 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.



SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: **4 IN 1 LEMON**

Date of Issue: JUNE 2012

Page 3 of Total 6

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

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 Worksafe 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 properly 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	Gold clear
Odour	Fragrant 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.



SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: **4 IN 1 LEMON**

Date of Issue: JUNE 2012

Page 4 of Total 6

Hazardous Decomposition Products Product can decompose on combustion (burning) to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.

Hazardous Reactions None known.

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. May affect behavior (central nervous system depression, depression) and metabolism. May also affect the respiratory system and cardiovascular system, liver and kidneys.

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

NOHSC No significant ingredient is classified as carcinogenic by NOHSC.

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

Quaternary ammonium compounds

R-Phrases.

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 Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.



SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: **4 IN 1 LEMON**

Date of Issue: JUNE 2012

Page 5 of Total 6

Reproductive Data No available information.
Carcinogenicity Not classed as a carcinogen by NOHSC.

SECTION 12 – ECOLOGICAL INFORMATION

Fish toxicity None available for specific product.
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, septic, 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.

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.

SECTION 16 – OTHER INFORMATION

Labeling Details

HAZARD Not hazardous
RISK PHRASES None allocated
SAFETY PHRASES None allocated
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.



SAFETY DATA SHEET	
CUSTOM CHEMICALS INTERNATIONAL	Product: 4 IN 1 LEMON
Date of Issue: JUNE 2012	Page 6 of Total 6

R-Phrases
HAZCHEM

Risk Phrases.
An emergency action code of numbers and letters which gives information to emergency services.

NOHSC
NTP
IARC
AICS
TWA
STEL

National Occupational Health and Safety Commission.
National Toxicology Program (USA).
International Agency for Research on Cancer.
Australian Inventory of Chemical Substances.
Time Weighted Average
Short Term Exposure Limit

Literature References

List of Designated Hazardous Substances [NOHSC:10005(1999)]
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

JUNE 2012 **Supersedes Issue Date** 2007

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.