

Safety Data Sheet

*CLOROGENE SUPPLIES LTD**Hazardous Chemical, NON-Dangerous Goods*

1. Identification of the Substance and Supplier

Product Name: GENE'S LEMON DISHWASH DETERGENT

Synonyms: N/A

Supplier: CLOROGENE SUPPLIES LTD
Street Address: 58 WAIONE STREET
PETONE
WELLINGTON

Telephone Number: (04) 568-5530
Email: info@clorogene.co.nz
Emergency Phone: 0800 CHEM CALL (All Hours) 0800 243 6225

2. Hazards Identification

This material is hazardous according to criteria of EPA New Zealand.

EPA GROUP STANDARD: HSR002530 - Cleaning Products (Subsidiary Hazard) Group Standard

Signal Word Warning

Hazardous Classifications

6.4A - Substances that are irritating to the eye

9.1D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action (H401)

Hazardous Statements

H319 Causes serious eye irritation.

H401 Toxic to aquatic life.

Prevention Precautionary Statements

P102 Keep out of reach of children.

P103 Read label before use.

P264 Wash hands, face and all exposed skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P305+P351+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

P338 lenses, if present and easy to do. Continue rinsing.

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

Storage Precautionary Statements

Not allocated

Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national

and international regulations.

DANGEROUS GOODS CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail and the New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

Chemical Entity	CAS Number	Proportion
Sodium Hydroxide	1310-73-2	< 2 %
Anionic and non ionic surfactants		10-20%
Urea	57-13-6	< 2%
Formaldehyde	50-00-0	< 1 %
Sodium Chloride	7647-14-5	<1 %
Fragrance		< 1 %
Colour		< 1 %
Water	7732-18-5	to 100%

4. First-aid Measures

For advice, contact a Poisons Information Centre (Phone eg New Zealand 0 800 764766; Australia 131 126) or a doctor.

Inhalation:	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if necessary.
Skin Contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical advice.
Eye Contact:	If in eyes, hold eyelids apart and flush with continuously running water. Continue flushing until advised to stop by Poisons Information Centre or a Doctor, or for at least 15 minutes and transport to Doctor or Hospital.
Ingestion:	Rinse mouth with water. If swallowed do NOT induce vomiting. Give a glass of water to drink. Never give anything by mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.
Notes to Physician:	Treat symptomatically

5. Fire-Fighting Measures

Specific Hazards:	Non combustible material.
Fire-fighting Advice:	Not applicable
Hazchem Code:	Not applicable
Suitable Extinguishing Media:	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder)

6. Accidental Release Measures

SMALL SPILLS	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
LARGE SPILLS	Clear area of all unprotected personnel. Slippery when wet. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent

run off into drains and waterways. Use absorbant (sand, soil or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable.

7. Handling and Storage

Handling Advice: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

Storage Advice: Store in a cool dry well-ventilated place out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and or ignition. Keep container upright. Keep containers closed when not in use - check regularly for leaks.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: No value assigned for this specific material by Worksafe NZ.

Biological Limit Values; As per Worksafe NZ the ingredients in this material do not have a Biological Limit allocated.

Engineering Control Measures: Natural ventilation should be adequate under normal use conditions.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour or mists. Ensure that eyewash stations and safety showers are close to the work station.

Personal Protective Equipment: (PPE) SAFETY SHOES, OVERALLS, GLOVES.

Personal Protective Equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overall and gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and Chemical Properties

Physical State:	Viscous Liquid
Colour:	Yellow
Odour:	Light lemon fragrance
Molecular Formula:	N/A
Solubility:	Soluble in water
Specific Gravity:	1
Relative Vapour Density (air=1):	N/A
Vapour Pressure (20degC):	N/A
Flash Point (degC):	N/A
Autoignition Temperature (degC):	N/A
% Volatile by Weight:	N/A
Solubility in Water (g/L):	N/A
Boiling Point/Range (degC):	100
Decomposition Point (degC):	N/A
pH:	7-8.8

10. Stability and Reactivity

Chemical Stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible materials: Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions.

11. Toxicological Information

No adverse health effects are 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 or over-exposure occurs are:

ACUTE EFFECTS

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye Contact: May cause eye irritation.

Skin Contact: Contact with the skin may result in irritation.

Inhalation: Material may be irritant to mucous membranes and respiratory tract.

Long Term Effects: Overuse may cause irritation and drying or cracking of the skin.

ACUTE TOXICITY

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 5,000 ppm gas.

Skin Contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 5,000 mg/Kg bw

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 5,000 mg/Kg bw

Corrosion/Irritancy: Eye: this material has been classified as a 6.4A - Substances that are irritating to the eye. Skin: this material has been classified as not corrosive or irritating to the skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

CHRONIC TOXICITY

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity(Including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity(repeat exposure) This material has been classified as non-hazardous.

12. Ecotoxicological Information

Avoid Contaminating Waterways.

Acute aquatic hazard: 9.1D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action. Acute toxicity estimate (based on ingredients): 1-10 mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data. Acute toxicity estimate (based on ingredients) > 100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and /or log Kow < 4.

Ecotoxicity to the soil environment:	This material has been classified as non-hazardous.
Ecotoxicity to terrestrial vertebrates:	This material has been classified as non-hazardous.
Ecotoxicity to terrestrial invertebrates	This material has been classified as non-hazardous.
Ecotoxicity :	No information available.
Persistence and degradability:	No information available.
Bioaccumulative potential:	No information available.
Mobility:	No information available.

13. Disposal Considerations

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS. If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations

14. Transport Information

Road and Rail Transport Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail" and the New Zealand NZS5433; Transport of Dangerous Goods on Land"

Marine Transport Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. Regulatory Information

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
 The Stockholm Convention (Persistent Organic Pollutants)
 The Rotterdam Convention (Prior Informed Consent)
 Basel Convention (Hazardous Waste)
 International Convention for the Prevention of Pollution from Ships (MARPOL)

EPA Group Standard:	HSR002530 - Cleaning Products (Subsidiary Hazard) Group Standard
Approved Handler	No
Location Test Certificate	No
Fire Extinguishers	No
Signage	Yes
Emergency response	Yes
Hazardous atmosphere zone	No

16. Other Information

Reason(s) for Issue: This SDS summarises to the best of our knowledge at the date of issue, the chemical health and safety hazards for the material and general guidance on how to safely handle the material in the place of use. Clorogene S Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information needed, the user should contact Clorogene Supplies Ltd as per the contact details on page 1.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of the precautions that should be taken. Safety Data Sheets are updated frequently. Please ensure you have a current copy.

Product Name: *Gene's Lemon Dishwashing Detergent*

Substance No: N/A

Issued: 10/09/2018

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