

# SAFETY DATA SHEET



## CITRUS GEL

STEAMASTER AUSTRALIA PTY LTD

Catalogue number:

Version No: 1.5

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Safety Data Sheet according to WHS and ADG requirements

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### Product Identifier

|                               |               |
|-------------------------------|---------------|
| Product name                  | CITRUS GEL    |
| Synonyms                      |               |
| Other means of identification | Not Available |

#### Relevant identified uses of the substance or mixture and uses advised against

|                          |  |
|--------------------------|--|
| Relevant identified uses | Solvent gel for grease, paint and ink spot removal |
|--------------------------|--|

#### Details of the manufacturer/importer

|                         |   |
|-------------------------|---|
| Registered company name | STEAMASTER AUSTRALIA PTY LTD                            |
| Address                 | 6 Reservoir Avenue, Greenacre SYDNEY NSW 2190 Australia |
| Telephone               | (02) 9796 3433  |
| Fax                     | 1800 855 677  |
| Website                 | www.steamaster.com.au                                   |
| Email                   | sales@steamaster.com.au                                 |

#### Emergency telephone number

|                                   |                            |
|-----------------------------------|----------------------------|
| Association / Organisation        | Poisons Information Centre |
| Emergency telephone numbers       | 13 11 26                   |
| Other emergency telephone numbers | Not Available              |

### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

|                        |   |
|------------------------|---|
| Poisons Schedule       | 5   |
| GHS Classification [1] | Aspiration Hazard Category 1, Skin Corrosion/Irritation Category 2, Skin Sensitizer Category 1B, STOT - SE (Resp. Irr.) Category 3. |
| Legend:                | 1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI       |

#### Label elements

|                    |  |
|--------------------|--|
| GHS label elements |  |
|--------------------|--|

|             |               |
|-------------|---------------|
| SIGNAL WORD | <b>DANGER</b> |
|-------------|---------------|

#### Hazard statement(s)

|      |  |
|------|--|
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation                       |
| H317 | May cause an allergic skin reaction          |

#### Precautionary statement(s) Prevention

|      |  |
|------|--|
| P280 | Wear protective gloves.  |
| P261 | Avoid breathing fumes or vapours.                                      |
| P273 | Avoid release to the environment.                                      |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |

**Precautionary statement(s) Response**

|                          |  |
|--------------------------|--|
| P301+P310+P331           | IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.  |
| P302+P362+P352+P333+P313 | IF ON SKIN: Take off contaminated clothing. Wash with plenty of water and soap. If skin irritation or rash occurs, get medical advice / attention. |
| P363                     | Wash contaminated clothing before reuse.   |
| P304+P340+P312           | IF INHALED: Remove person to fresh air and keep in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.        |
| P391                     | Collect spillage.  |

**Precautionary statement(s) Storage**

|                |   |
|----------------|---|
| P403+P405+P233 | Store locked up, in a well-ventilated place. Keep container tightly closed. |
|----------------|---|

**Precautionary statement(s) Disposal**

|      |  |
|------|--|
| P501 | Dispose of contents / container in accordance with local government regulations. |
|------|--|

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS****Substances**

See section below for composition of Mixtures

**Mixtures**

| CAS No     | %[weight] | Name   |
|------------|-----------|--|
| 5989-27-5  | 10-<30    | d-limonene                                   |
| 64742-48-9 | 30-60     | naphtha petroleum, isoparaffin, hydrotreated |
| 872-50-4   | <10       | N-methyl-2-pyrrolidone                       |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4 FIRST AID MEASURES****Description of first aid measures**

|              |   |
|--------------|---|
| Eye Contact  | If this product comes in contact with eyes:<br>Wash out immediately with water.<br>If irritation continues, seek medical attention.<br>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.  |
| Skin Contact | If skin contact occurs:<br>Immediately remove all contaminated clothing, including footwear.<br>Flush skin and hair with running water (and soap if available).<br>Seek medical attention in event of irritation.   |
| Inhalation   | If fumes or combustion products are inhaled remove from contaminated area.<br>Lay patient down. Keep warm and rested.<br>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.<br>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained.<br>Perform CPR if necessary.<br>If patient is unwell transport to hospital, or doctor, without delay.                              |
| Ingestion    | <b>If swallowed do NOT induce vomiting.</b><br>If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.<br>Observe the patient carefully.<br>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.<br>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.<br>Seek medical advice.<br>Avoid giving milk or oils.<br>Avoid giving alcohol |

**Indication of any immediate medical attention and special treatment needed**

For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:  
Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.

**SECTION 5 FIREFIGHTING MEASURES****Extinguishing media**

|                     |  |
|---------------------|--|
| Extinguishing media | There is no restriction on the type of extinguisher which may be used.<br>Use extinguishing media suitable for surrounding area. |
|---------------------|--|

**Special hazards arising from the substrate or mixture**

|                      |  |
|----------------------|--|
| Fire incompatibility | Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result |
|----------------------|--|

**Advice for firefighters**

|                       |  |
|-----------------------|--|
| Fire Fighting         | Alert Fire Brigade and tell them location and nature of hazard.<br>Wear breathing apparatus plus protective gloves in the event of a fire.<br>Prevent, by any means available, spillage from entering drains or water courses.<br>Use firefighting procedures suitable for surrounding area.<br><b>DO NOT</b> approach containers suspected to be hot.<br>Cool fire exposed containers with water spray from a protected location.<br>If safe to do so, remove containers from path of fire.<br>Equipment should be thoroughly decontaminated after use. |
| Fire/Explosion Hazard | <b>WARNING:</b> In use may form flammable/ explosive vapour-air mixtures, carbon dioxide (CO2) and other pyrolysis products typical of burning organic material<br>May emit poisonous fumes.<br>May emit corrosive fumes.  |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                     |  |
|---------------------|--|
| <b>Minor Spills</b> | Clean up all spills immediately.<br>Avoid contact with skin and eyes.<br>Wear impervious gloves and safety goggles.<br>Trowel up/scrape up.<br>Place spilled material in clean, dry, sealed container.<br>Flush spill area with water.   |
| <b>Major Spills</b> | Minor hazard.<br>Control personal contact with the substance, by using protective equipment as required.<br>Prevent spillage from entering drains or water ways.<br>Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations.<br>Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle. |
|                     | Personal Protective Equipment advice is contained in Section 8 of the SDS.   |

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

|                          |   |
|--------------------------|---|
| <b>Safe handling</b>     | Containers, even those that have been emptied, may contain explosive vapours.<br>Do NOT cut, drill, grind, weld or perform similar operations near containers.<br>Keep containers tightly closed to prevent the production of explosive peroxides.  |
| <b>Other information</b> | Store in original containers.<br>Keep containers securely sealed.<br>Store in a cool, dry, well-ventilated area.<br>Store away from incompatible materials and foodstuff containers.<br>Protect containers against physical damage and check regularly for leaks.<br>Observe manufacturer's storage and handling recommendations contained within this SDS. |

### Conditions for safe storage, including any incompatibilities

|                                |  |
|--------------------------------|--|
| <b>Suitable container</b>      | Polyethylene or polypropylene container.<br>Packing as recommended by manufacturer.<br>Check all containers are clearly labelled and free from leaks.  |
| <b>Storage incompatibility</b> | There is a small danger of the product forming unstable peroxides in storage if exposed to air for long periods.<br>Incompatible with strong acids, including acidic clays, peroxides, halogens, vinyl chloride and iodine pentafluoride<br>Avoid reaction with oxidising agents |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA


| Source                       | Ingredient             | Material name          | TWA                | STEL               | Peak          | Notes |
|------------------------------|------------------------|------------------------|--------------------|--------------------|---------------|-------|
| Australia Exposure Standards | N-methyl-2-pyrrolidone | 1-Methyl-2-pyrrolidone | 103 mg/m3 / 25 ppm | 309 mg/m3 / 75 ppm | Not Available | Sk    |

#### EMERGENCY LIMITS

| Ingredient                                   | Material name                                     | TEEL-1  | TEEL-2  | TEEL-3  |
|--|---|---------|---------|---------|
| d-limonene                                   | Limonene, d-                                      | 20 ppm  | 20 ppm  | 160 ppm |
| naphtha petroleum, isoparaffin, hydrotreated | Naphtha, hydrotreated heavy; (Isopar L-rev 2)     | 171 ppm | 171 ppm | 570 ppm |
| N-methyl-2-pyrrolidone                       | Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone) | 10 ppm  | 10 ppm  | 10 ppm  |

| Ingredient | Original IDLH                                    | Revised IDLH |
|------------|--|--------------|
|            | No data is available for any of the ingredients. |              |

### Exposure controls

|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.<br>If ventilation is poor, then the use of a local exhaust ventilation system is recommended   |
| <b>Personal protection</b>              |   |
| <b>Eye and face protection</b>          | Eye protection is unlikely to be needed due to the gelled nature of the product.   |
| <b>Skin protection</b>                  | See Hand protection below  |
| <b>Hands/feet protection</b>            | Wear chemical protective gloves, e.g. Neoprene rubber<br>The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed |
| <b>Body protection</b>                  | See Other protection below   |
| <b>Other protection</b>                 | P.V.C. apron.<br>Barrier cream.<br>Eye wash unit.  |
| <b>Thermal hazards</b>                  | Not Available  |

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

|   |                  |  |               |
|---|------------------|--|---------------|
| <b>Appearance</b>                                   | Smooth white gel |  |               |
| <b>Physical state</b>                               | Gel              | <b>Relative density (Water = 1)</b>            | 0.891         |
| <b>Odour</b>  | Limonene         | <b>Molecular weight (g/mol)</b>                | Not Available |
| <b>Odour threshold</b>                              | Not Available    | <b>Auto-ignition temperature</b>               | Not Available |
| <b>pH (as supplied)</b>                             | Not Applicable   | <b>Decomposition</b>                           | Not Available |
| <b>Upper Explosive Limit (%)</b>                    | Not Available    | <b>Viscosity (cSt)</b>                         | Not Available |
| <b>Initial boiling point and boiling range (°C)</b> | Not Available    | <b>Partition coefficient n-octanol / water</b> | Not Available |
| <b>Flash point (°C)</b>                             | Not Applicable   | <b>Taste</b>                                   | Not Available |
| <b>Evaporation rate</b>                             | Not Available    | <b>Explosive properties</b>                    | Not Available |
| <b>Flammability</b>                                 | Not flammable    | <b>Oxidising properties</b>                    | Not Available |
| <b>Melting point / freezing point (°C)</b>          | Not Applicable   | <b>Surface Tension (dyn/cm or mN/m)</b>        | Not Available |
| <b>Lower Explosive Limit (%)</b>                    | Not Applicable   | <b>Volatile Component (%vol)</b>               | Not Available |
| <b>Vapour pressure (kPa)</b>                        | Not Available    | <b>Gas group</b>                               | Not Available |
| <b>Solubility in water (g/L)</b>                    | Partly miscible  | <b>pH as a solution (1%)</b>                   | Not Available |
| <b>Vapour density (Air = 1)</b>                     | Not Available    | <b>VOC g/L</b>                                 | Not Available |

**SECTION 10 STABILITY AND REACTIVITY**

|   |   |
|---|---|
| <b>Reactivity</b>                         | See section 7   |
| <b>Chemical stability</b>                 | Product is considered stable and hazardous polymerisation will not occur. |
| <b>Possibility of hazardous reactions</b> | See section 7   |
| <b>Conditions to avoid</b>                | See section 7   |
| <b>Incompatible materials</b>             | See section 7   |
| <b>Hazardous decomposition products</b>   | See section 5   |

**SECTION 11 TOXICOLOGICAL INFORMATION****Information on toxicological effects**

|                     |  |
|---------------------|--|
| <b>Inhaled</b>      | The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.   |
| <b>Ingestion</b>    | No relevant data available   |
| <b>Skin Contact</b> | This material can cause inflammation of the skin on contact in some persons. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. |
| <b>Eye</b>          | Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).   |
| <b>Chronic</b>      | Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population.  |

**SECTION 12 ECOLOGICAL INFORMATION****Toxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high watermark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters. Wastes resulting from use of the product must be disposed of on site or at approved waste sites.

**Persistence and degradability**

| Ingredient             | Persistence: Water/Soil | Persistence: Air |
|------------------------|-------------------------|------------------|
| d-limonene             | HIGH                    | HIGH             |
| N-methyl-2-pyrrolidone | LOW                     | LOW              |

**Bio accumulative potential**

| Ingredient             | Bioaccumulation        |
|------------------------|------------------------|
| d-limonene             | HIGH (LogKOW = 4.8275) |
| N-methyl-2-pyrrolidone | LOW (BCF = 16)         |

**Mobility in soil**

| Ingredient             | Mobility          |
|------------------------|-------------------|
| d-limonene             | LOW (KOC = 1324)  |
| N-methyl-2-pyrrolidone | LOW (KOC = 20.94) |

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## SECTION 13 DISPOSAL CONSIDERATIONS

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### Waste treatment methods

| Product / packaging disposal   |
|--|
| Recycle containers whenever possible.<br>Product residues and containers should be disposed of in accordance with local government regulations |

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## SECTION 14 TRANSPORT INFORMATION

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Land transport (Not Applicable): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

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## SECTION 15 REGULATORY INFORMATION

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### Safety, health and environmental regulations / legislation specific for the substance or mixture

#### D-LIMONENE (5989-27-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists  
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

#### NAPHTHA PETROLEUM, ISOPARAFFIN, HYDROTREATED (64742-48-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

#### N-METHYL-2-PYRROLIDONE (872-50-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards  
Australia Hazardous Substances Information System - Consolidated Lists

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## SECTION 16 OTHER INFORMATION

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### Other information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered. This document is copyright.

### Definitions and abbreviations

|          |   |
|----------|---|
| PC-TWA;  | Permissible Concentration-Time Weighted Average         |
| PC-STEL; | Permissible Concentration-Short Term Exposure Limit     |
| IARC;    | International Agency for Research on Cancer             |
| ACGIH;   | American Conference of Government Industrial Hygienists |
| STEL;    | Short Term Exposure Limit                               |
| TEEL;    | Temporary Emergency Exposure Limit                      |
| IDLH;    | Immediate Danger to Life or Health Concentrations       |
| OSF;     | Odour Safety Factor                                     |
| NOAEL;   | No Observed Effects Level                               |
| TLV;     | Threshold Limit Value                                   |
| LOD;     | Limit Of Detection                                      |
| OTV;     | Odour Threshold Value                                   |
| BCF;     | Bio Concentration Factors                               |
| BEI;     | Biological Exposure Index                               |

**End of SDS**