

## 1. Identification of Substance & Company

### Product

|                             |  |
|-----------------------------|--|
| <b>Product name</b>         | No Rinse Sanitiser   |
| <b>HSNO approval</b>        | HSR002526  |
| <b>Approval description</b> | Cleaning Products (Corrosive) Group Standard 2017  |
| <b>UN number</b>            | 1760   |
| <b>DG class</b>             | 8  |
| <b>Proper Shipping Name</b> | CORROSIVE LIQUID, N.O.S. (contains Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides) |
| <b>Packaging group</b>      | III  |
| <b>Hazchem code</b>         | 2X   |
| <b>Uses</b>                 | Deodoriser/disinfectant  |

### Company Details

|                  |   |
|------------------|---|
| <b>Company</b>   | <b>GreenEarth Solutions Ltd</b>                         |
| <b>Address</b>   | PO Box 64-125<br>Botany<br>Auckland 2163<br>New Zealand |
| <b>Telephone</b> | 0064 9 272 4141   |
| <b>Email</b>     | mail@greenearth.co.nz                                   |
| <b>Website</b>   | www.greenearth.co.nz                                    |

**Emergency Telephone Number: 09 272 4141**

## 2. Hazard Identification

### Approval

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002526, Cleaning Products (Corrosive) Group Standard 2017). The substance has been classified as hazardous according to the criteria in the Hazardous substances (Minimum Degrees of Hazard) Notice 2017.

### Classes

6.1D (oral)  
8.2C  
8.3A  
9.1A

### Hazard Statements

H302 - Harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.  
H410 - Very toxic to aquatic life with long lasting effects.

### SYMBOLS

**DANGER**



### Other Classifications

There are no other classifications that are known to apply.

### Precautionary Statements

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray\*.  
P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P312 - Call a POISON CENTRE or doctor/physician if you feel unwell.  
P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.  
P330 - Rinse mouth.  
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.



# No Rinse Sanitiser

## Safety Data Sheet

P363 - Wash contaminated clothing before reuse.  
P310 - Immediately call a POISON CENTRE or doctor/physician.  
P304+P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTRE or doctor/physician.  
P391 - Collect spillage.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.

### 3. Composition / Information on Ingredients

| Component  | CAS/ Identification | Conc (%) |
|--|---------------------|----------|
| Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides | 68424-95-3          | 20%      |
| non hazardous ingredients  | proprietary         | balance  |

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

### 4. First Aid

#### General Information

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed, burned or irritated by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

**Recommended first aid facilities** Ready access to running water is required. Accessible eyewash is required.

#### Exposure

**Swallowed** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTRE or doctor/physician if you feel unwell.  
**Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.  
**Skin contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE or doctor/physician.  
**Inhaled** Generally, inhalation of vapours/spray is unlikely to result in adverse health effects. If coughing, dizziness or shortness of breath is experienced, remove the patient to fresh air immediately. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor.

#### Advice to Doctor

Treat symptomatically

### 5. Firefighting Measures

**Fire and explosion hazards:** There are no specific risks for fire/explosion for this chemical. It is non-flammable.  
**Suitable extinguishing substances:** Carbon dioxide, extinguishing powder, foam.  
**Unsuitable extinguishing substances:** Unknown.  
**Products of combustion:** Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures.  
**Protective equipment:** Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.  
**Hazchem code:** 2X

### 6. Accidental Release Measures

**Containment** If greater than 100L is stored, secondary containment and emergency plans to manage any potential spills must be in place. In all cases design storage to prevent discharge to storm water.  
**Emergency procedures** In the event of spillage alert the fire brigade to location and give brief description of hazard. Stop the source of the leak, if safe to do so. Wear protective equipment to



# No Rinse Sanitiser

## Safety Data Sheet

|                        |  |
|------------------------|--|
|                        | prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). |
| <b>Clean-up method</b> | Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.   |
| <b>Disposal</b>        | Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.  |
| <b>Precautions</b>     | Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation.   |

### 7. Storage & Handling

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Avoid storage of harmful substances with food. Store out of reach of children. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames. Avoid contact with incompatible substances as listed in Section 10. |
| <b>Handling</b> | Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements. Avoid skin and eye contact and inhalation of vapour, mist or aerosols.                                     |

### 8. Exposure Controls / Personal Protective Equipment

#### Workplace Exposure Standards

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 3mg/m<sup>3</sup> for respirable particulates and 10mg/m<sup>3</sup> for inhalable particulates when limits have not otherwise been established.

| NZ Workplace Exposure Stds | Ingredient            | WES-TWA* | WES-STEL |
|----------------------------|-----------------------|----------|----------|
|                            | No ingredients listed |          |          |

#### Engineering Controls

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

#### Personal Protective Equipment

|                    |   |  |
|--------------------|---|--|
| <b>Eyes</b>        |  | Protect eyes with goggles, safety glasses or full face mask. Avoid wearing contact lenses. Select eye protection in accordance with AS/NZS 1337.   |
| <b>Skin</b>        |  | Avoid any skin contact. Wear overalls, rubber boots and impervious gloves. Protective gloves or suitably resistant material must comply with AS 2161. Replace frequently. Gloves should be checked for tears or holes before use. Protective clothing must comply with AS 2919, AS3765.1 or AS3765.2. PVC or rubber boots must comply with AS/NZS 2210.2 and selected and maintained in accordance with AS/NS2210.1. Remove protective clothing and wash exposed areas with soap and water prior to eating, drinking or smoking.   |
| <b>Respiratory</b> |   | A respirator when airborne concentrations approach the WES (section 8). Respirators must have filters appropriate to the duty and comply with AS/NZS1716 and selected, used and maintained in accordance with AS/NS 1715. Use a respirator with an organic vapour cartridge and a particulate filter. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Fit testing and clear guidelines and training for use and maintenance of PPE are necessary. |

#### WES Additional Information

Not applicable

### 9. Physical & Chemical Properties

|                   |                       |
|-------------------|-----------------------|
| <b>Appearance</b> | clear liquid          |
| <b>Odour</b>      | mild eucalyptus odour |
| <b>pH</b>         | no data               |



# No Rinse Sanitiser

## Safety Data Sheet

|                                |                            |
|--------------------------------|----------------------------|
| Vapour pressure                | no data                    |
| Viscosity                      | no data                    |
| Boiling point                  | ~100°C                     |
| Volatile materials             | no data                    |
| Freezing / melting point       | no data                    |
| Solubility                     | soluble in water           |
| Specific gravity / density     | ~1.04g/cm <sup>3</sup>     |
| Flash point                    | not applicable             |
| Danger of explosion            | not explosive              |
| Auto-ignition temperature      | no data                    |
| Upper & lower flammable limits | no data                    |
| Corrosiveness                  | corrosive to eyes and skin |

### 10. Stability & Reactivity

|                                    |   |
|------------------------------------|---|
| Stability                          | Stable  |
| Conditions to be avoided           | Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames. |
| Incompatible groups                | Oxidizing agents, e.g. bleach   |
| Substance Specific Incompatibility | none known  |
| Hazardous decomposition products   | Fire may cause evolution of: Hydrogen chloride gas, nitrogen oxides.                                      |
| Hazardous reactions                | none known  |

### 11. Toxicological Information

#### Summary

IF SWALLOWED: may cause irritation to mouth and throat. May cause stomach pains, nausea, vomiting and diarrhoea.

IF IN EYES: undiluted substance may cause eye damage.

IF ON SKIN: undiluted substance may cause burns.

IF INHALED: no effects are anticipated, due to the low vapour pressure. Dusts may irritate respiratory system.

#### Supporting Data

|                |  |  |
|----------------|--|--|
| <b>Acute</b>   | <b>Oral</b>  | Using LD <sub>50</sub> 's for ingredients, the calculated LD <sub>50</sub> (oral, rat) for the mixture is between 2000 and 5,000 mg/kg. Data considered includes: Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides 238mg/kg (rat). |
|                | <b>Dermal</b>                                      | Using LD <sub>50</sub> 's for ingredients, the calculated LD <sub>50</sub> (dermal, rat) for the mixture is >5000 mg/kg. Data considered includes: Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides 3342mg/kg.                     |
|                | <b>Inhaled</b>                                     | No evidence of inhalation toxicity.  |
|                | <b>Eye</b>   | The mixture is considered to be corrosive to the eye. Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides is classed as an eye corrosive.   |
| <b>Chronic</b> | <b>Skin</b>  | The mixture is considered to be corrosive to the skin. Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides is classed as a skin corrosive.  |
|                | <b>Sensitisation</b>                               | No ingredient present at concentrations > 0.1% is considered a sensitizer.   |
|                | <b>Mutagenicity</b>                                | No ingredient present at concentrations > 0.1% is considered a mutagen.  |
|                | <b>Carcinogenicity</b>                             | No ingredient present at concentrations > 0.1% is considered a carcinogen.   |
|                | <b>Reproductive / Developmental</b>                | No ingredient present at concentrations > 0.1% is considered a reproductive or developmental toxicant or have any effects on or via lactation.   |
|                | <b>Systemic Aggravation of existing conditions</b> | No ingredient present at concentrations > 1% is considered a target organ toxicant. None known.  |

### 12. Ecological Data

#### Summary

This mixture is considered very toxic towards aquatic organisms.

#### Supporting Data

|                        |   |
|------------------------|---|
| <b>Aquatic</b>         | Using EC <sub>50</sub> 's for ingredients, the calculated EC <sub>50</sub> for the mixture is < 1 mg/L. Data considered includes: Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides EC <sub>50</sub> (48 h, aquatic invertebrates) 66 µg/L, LC <sub>50</sub> (4 days, aquatic invertebrates) 73 - 110 µg/L, EC <sub>50</sub> (4 days, algae) 25 µg/L, EC <sub>50</sub> (72 h, algae) 22 - 35 µg/L. |
| <b>Bioaccumulation</b> | No data   |
| <b>Degradability</b>   | No data   |



|                                    |   |
|------------------------------------|---|
| <b>Soil</b>                        | No evidence of soil toxicity.                                 |
| <b>Terrestrial vertebrate</b>      | See acute toxicity.   |
| <b>Terrestrial invertebrate</b>    | No evidence of ecotoxicity towards terrestrial invertebrates. |
| <b>Biocidal</b>                    | no data   |
| <b>Environmental effect levels</b> | No EELs are available for this mixture or ingredients         |

### 13. Disposal Considerations

|                               |  |
|-------------------------------|--|
| <b>Restrictions</b>           | There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents.  |
| <b>Disposal method</b>        | Disposal of this product must comply with the Hazardous Substances (Disposal) Notice 2017 and the requirements of the Resource Management Act for which approval should be sought from the Regional Authority. The substance must be treated and therefore rendered non-hazardous before discharge to the environment.   |
| <b>Contaminated packaging</b> | Disposal of contaminated packaging must comply with the Hazardous Substances (Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible reuse or recycle packaging. |

### 14. Transport Information

Transport according to NZS 5433 (Transport of Hazardous Substances on Land). Considered a dangerous good for transport.

|                     |                                      |                              |  |
|---------------------|--------------------------------------|------------------------------|--|
| <b>UN number:</b>   | 1760                                 | <b>Proper shipping name:</b> | CORROSIVE LIQUID, N.O.S. (contains Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides) |
| <b>Class(es)</b>    | 8                                    | <b>Packing group:</b>        | III  |
| <b>Precautions:</b> | CORROSIVE LIQUID<br>MARINE POLLUTANT | <b>Hazchem code:</b>         | 2X   |

### 15. Regulatory Information

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR002526, Cleaning Products (Corrosive) Group Standard 2017. All ingredients appear on the New Zealand Inventory of Chemicals NZIoC.

#### Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)

Key workplace requirements are:

|                                  |   |
|----------------------------------|---|
| SDS                              | To be available within 10 minutes in workplaces storing any quantity.   |
| Inventory                        | An inventory of all hazardous substances must be prepared and maintained.   |
| Packaging                        | All hazardous substances should be appropriately packaged including substances that have been decanted, transferred or manufactured for own use or have been supplied |
| Labelling                        | Must comply with the Hazardous Substances (Labelling) Notice 2017.  |
| Emergency plan                   | Required if > 100L is stored.   |
| Certified handler                | Not required.   |
| Tracking                         | Not required.   |
| Bundling & secondary containment | Required if > 100L is stored.   |
| Signage                          | Required if > 100L is stored.   |
| Location compliance certificate  | Not required.   |
| Flammable zone                   | Not required.   |
| Fire extinguisher                | Not required.   |

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

#### Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.

### 16. Other Information

#### Abbreviations

|                        |  |
|------------------------|--|
| <b>Approval Code</b>   | Approval HSR002526, Cleaning Products (Corrosive) Group Standard 2017 Controls, EPA. <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>  |
| <b>CAS Number</b>      | Unique Chemical Abstracts Service Registry Number  |
| <b>EC<sub>50</sub></b> | Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species)  |
| <b>EPA</b>             | Environmental Protection Authority (New Zealand)   |
| <b>HAZCHEM Code</b>    | Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters  |
| <b>HSNO</b>            | Hazardous Substances and New Organisms (Act and Regulations)   |
| <b>IARC</b>            | International Agency for Research on Cancer  |
| <b>LEL</b>             | Lower Explosive Limit  |
| <b>LD<sub>50</sub></b> | Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).  |
| <b>LC<sub>50</sub></b> | Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats)  |
| <b>MSDS (SDS)</b>      | Material Safety Data Sheet (or Safety Data Sheet)  |
| <b>NZIoC</b>           | New Zealand Inventory of Chemicals   |
| <b>PES</b>             | Prescribed Exposure Standard means a WES or a biological exposure standard that is prescribed in a regulation, a safe work instrument or an approval under HSNO (including group standards).   |
| <b>STEL</b>            | Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded  |
| <b>TWA</b>             | Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours)   |
| <b>UEL</b>             | Upper Explosive Limit  |
| <b>UN Number</b>       | United Nations Number  |
| <b>WES</b>             | Workplace Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker's breathing zone. |

#### References

|                          |   |
|--------------------------|---|
| <b>Data</b>              | Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).  |
| <b>Controls</b>          | EPA notices, <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> , Health and Safety at Work (Hazardous Substances) Regulations 2017, <a href="http://www.legislation.govt.nz">www.legislation.govt.nz</a> |
| <b>WES</b>               | The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available on their web site – <a href="http://www.worksafe.govt.nz">www.worksafe.govt.nz</a> .                                     |
| <b>Other References:</b> | EU ECHA, ingredients SDS's, ChemIDplus  |

#### Review

| Date          | Reason for review        |
|---------------|--------------------------|
| November 2019 | Not applicable – new SDS |

#### Disclaimer

This SDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications for this SDS have been estimated based on general information from the supplier (e.g., hazard, toxicological). This SDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email [info@datachem.co.nz](mailto:info@datachem.co.nz) or phone: +64 9 940 30 80.

