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

**PRODUCT IDENTIFIER**

| | |
|---|---|
| Product Name | MICROCARE – PEHG (EUXYL PE9010) |
| Other Names | - |
| CAS No | not allocated |
| EINECS No | not allocated |

**DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

| | | |
|---|---|---|
| Registered distributor company name | Pure Ingredients Ltd | Pure Nature |
| Address | 626A Rosebank Road, Avondale 1026 | 626A Rosebank Road, Avondale 1026 |
| Telephone | +64 9 813 5619 | +64 9 813 9412 |
| Website | www.pureingredients.co.nz | www.purenature.co.nz |
| Email | compliance@pureingredients.co.nz | info@purenature.co.nz |

**EMERGENCY TELEPHONE NUMBER**

| | |
|---|---|
| Association / Organisation | 0800 CHEMCALL / 0800 243 622 (24hr) |
| Emergency telephone numbers | 111 |
| Other emergency telephone numbers | 0800 764 766 |

## SECTION 2 HAZARDS IDENTIFICATION

| | |
|---|---|
| GHS / HSNO Hazard Classification | 6.1D, 6.4A, 8.3A, 9.1D, 9.3C |
| HSNO Approval Number | Not classified |
| Hazard Nature | This product is classified as **Corrosion** under EC criteria |
| Pictogram(s) |  |
| Signal Word | DANGER |
| Hazard-determining components of labelling(s) | 3-(2-ethylhexyloxy) propane-1,2-diol |
| Hazard Statement(s) | H318 Causes serious eye damage |
| Prevention Statements(s) | P280 Wear protective gloves/protective clothing/eye protection/face protection. |
| Response Statement(s) | P305+P351+P388 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313 If eye irritation persists: Get medical advice/attention. |
| Storage Statement(s) | P403+P233 Store in a well-ventilated place. Keep container tightly closed.<br>P405 Store locked up. |
| Disposal Statement(s) | P501 Dispose of contents/container in accordance with local/national/international regulations. |

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

| INCI | CAS No. | EINECS | Range % |
|---|---|---|---|
| 2-Phenoxyethanol | 122-99-6 | Not allocated | >25% |
| 3-(2-ethylhexyloxy) propane-1,2-diol | 70445-33-9 | Not allocated | 5-10% |

Cellular Extraction of Davidsonia jerseyana Fruit. Natural extract preserved with Sodium Benzoate; Citric Acid; Potassium Sorbate

## SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

| **General Information** | **Always remove contaminated clothing immediately. Personal Protection for the First Aider.** |
|---|---|
| Skin contact | ► 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. |
| Eye contact | ► Wash out immediately with fresh running water;<br>► Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids;<br>► Seek eye specialist attention without delay; if pain persists or recurs seek medical attention;<br>► Removal of contact lenses after an eye injury should only be undertaken by skilled personnel |
| Ingestion | ► Rinse mouth. Do Not induce vomiting.<br>► First aid is not generally required. If in doubt, contact a Poisons Information Centre or doctor. |
| 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 value resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary;<br>► Transport to hospital, or doctor, without delay. |

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: If swallowed, gastric irrigation with activated carbon. Rinse eyes thoroughly with physiological saline.

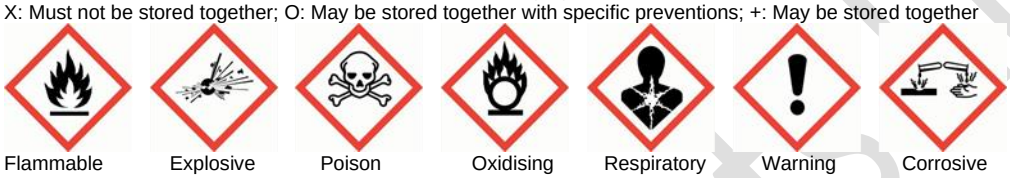
## SECTION 5 FIREFIGHTING MEASURES

| | |
|---|---|
| General information | Water spray or fog; Foam; Dry chemical powder; $CO_2$, BCF (where regulations permit). |
| Special hazards | FIRE INCOMPATIBILITY:<br>Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, carbon monoxides etc. as ignition may result. |
| Advice for Fire-Fighters | FIRE FIGHTING:<br>► Alert Fire Brigade and tell them location and nature of hazard;<br>► Wear full body protective clothing with breathing apparatus;<br>► Prevent, by any means available, spillage from entering drains or watercourse;<br>► Use water delivered as a fine spray to control fore and cool adjacent area.<br>FIRE/EXPLOSION HAZARD:<br>► Combustible;<br>► Slight fire hazard when exposed to heat or flame;<br>► Heating may cause expansion or decomposition leading to violent rupture of CONTAINERS;<br>► On combustion, may emit toxic fumes or carbon monoxide (CO);<br>► Combustion products include; carbon dioxide (CO2) acrolein, other pyrolysis products typical of burning organic material.<br>May emit poisonous fumes. May emit corrosive fumes. |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | See Section 8 |
| Environmental precautions | Do not allow product to enter waters without treatment in a (biological) water treatment plant.<br>See Section 12 |
| Methods & material for containment and cleaning up | MINOR SPILLS:<br>► Remove all ignition sources;<br>► Clean up all spills immediately.<br>► Avoid breathing vapours and contact with skin and eyes;<br>► Control personal contact with the substance, by using protective equipment.<br><br>MAJOR SPILLS:<br>► MODERATE HAZARD: Clear area of personnel and move upwind;<br>► Alert Fire Brigade and tell them location and nature of hazard;<br>► Wear breathing apparatus plus protective gloves. |

## SECTION 7 HANDLING AND STORAGE

| | |
|---|---|
| Handling | SAFE HANDLING:<br>► Avoid all personal contact, including inhalation;<br>► Provide good room ventilation or local exhaust ventilation at the workplace.<br>► Wear protective clothing when risk of exposure occurs;<br>► Prevent concentration in hollows and sumps;<br>► Handle product in closed system preferably.<br>► Risks to the safety and health of workers may not only be created by work involving chemicals but inter alia by work equipment and the fitting-out of work-places. Those risks shall be identified and evaluated.<br>OTHER INFORMATION:<br>► Store in original containers;<br>► Keep containers securely sealed;<br>► No smoking, naked lights or ignition sources;<br>► Store in a cool, dry, well-ventilated area. |
| Storage | ► SUITABLE CONTAINERS:<br>Packaging as recommended by manufacturer;<br>Check all containers are clearly labelled and free from leaks.<br><br>STORAGE INCOMPATIBILITY: Avoid reaction with oxidising agents<br>X: Must not be stored together; O: May be stored together with specific preventions; +: May be stored together<br>  <br>Flammable + Explosive X Poison O Oxidising O Respiratory + Warning + Corrosive + |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---|---|
| Control Parameters | The product is not classified. No control parameters are to be mentioned. |
| Eye and Face Protection | ► Safety glasses with side shield;<br>► Chemical goggles;<br>► In case of contamination devices to rinse eyes immediately under running water must be available. |
| Skin Protection | ► Avoid contact with skins. Wash hands during work breaks and at the end of the shift.<br>► In case of contamination devices to rinse skin immediately under running water must be available. |
| Hand and Feet Protection | ► Wear chemical protective gloves with long gauntlets preferably long gauntlets preferably, e.g NBR, Nitrile rubber<br>► Check the condition of protective gloves after ach use for any damages like holes, cuts or tears.<br>► Wear safety footwear or safety gumboots, e.g. Rubber;<br>► The selection of suitable gloves does not only depend on the material, but also on further marks of quality, which vary from manufacturer to manufacturer;<br>► Do not wears protective gloves longer than necessary.<br>► Where the chemical is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application;<br>► The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice;<br>► Personal hygiene is a key element of effective hand care. Use skin cream for skin protection. |
| Engineering Measures | ► Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide third high level of protection;<br>► The basic types of engineering controls are; Process controls which involve changing the way a job activity or process is done to reduce the risk;<br>► Enclosure and/or isolation of emission source which keeps a selected hazard 'physically' away from the worker and ventilation that strategically 'adds' and removes' air in the work environment |
| Personal Protection |  |
| Body Protection | See Other Protection below. |
| Other | Overalls; PVC Apron; Barrier Cream. |
| Standards: | The following Australian Standards will provide general advice regarding safety clothing and equipment: |
| AS/NZS 1715: | Respiratory Equipment |
| AS 1161: | Protective Gloves |
| AS2919: | Industrial Clothing |
| AS1336/AS/NZS 1337: | Industrial Eye Protection |
| AS/NZS2210: | Occupational Protective Footwear |

Workplace shall be inspected regularly by competent personnel e.g the safety representative.

## SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

| PHYSICAL/CHEMICAL PROPERTIES | RESULT | PHYSICAL/CHEMICAL PROPERTIES | RESULT |
|---|---|---|---|
| APPEARANCE: | Mobile liquid | BOILING POINT RANGE: | 244°C |
| ODOUR: | Characteristic | FLAMMABILITY LIMITS: | Not available |
| COLOUR: | See product specification | AUTO-IGNITION TEMPERATURE: | Not available |
| TASTE: | Not determined | VAPOUR PRESSURE @20°C: | 0.01hPa |
| REFRACTIVE INDEX @20°C: | See product specification | DENSITY@20°C: | 1.087-1.092g/cm$^3$ |
| SPECIFIC GRAVITY @20°C: | See product specification | VISCOSITY, KINEMATIC: | No data available |
| WATER SOLUBILITY: | Soluble | OXIDISING PROPERTIES: | Not oxidising |
| FLASH POINT: | 126°C | EXPLOSIVE PROPERTIES: | Not explosive. However, formation of explosive air/gas mixtures is possible |
| EVAPORATION RATE: | Non-volatile | BULK DENSITY: | Not applicable |
| PH: | See product specification | RELATIVE VAPOUR DENSITY: | No data available |
| MELTING/FREEZING POINT: | Not available | | |

## SECTION 10 STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Evaluation of the relevant information does not show an indication of any metal corrosive property. See Section 7 |
| Chemical stability | This product is chemically stable |
| Possibility of hazardous reactions | No dangerous reactions know. See Section 7 |
| Conditions to avoid | Product should not be diluted or mixed with other chemicals, in order to avoid any negative influences on the ingredients. See Section 7 |
| Incompatible materials | See Section 7 |
| Hazardous decomposition products | According to specification. See Section 5 |

## SECTION 11 TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute Toxicity | **INHALED:**<br>► The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage;<br>► Not normally a hazard due to non-volatile nature of product.<br>**INGESTION:**<br>► Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g. liver, kidney (damage is evident;<br>► Ingestion of large quantities may cause nausea, diarrhoea and vomiting.<br>► (Acute Toxicity Estimates (ATE))<br>Oral \| >2000mg/kg (calculated)<br>Dermal \| >2000mg/kg (calculated)<br>**SKIN CONTACT**:<br>► The material may accentuate any pre-existing dermatitis condition;<br>► Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry though wounds, lesions or abrasions;<br>► Open cuts abraded, or irritated skin should not be exposed to this material;<br>► Entry into the blood stream, though, for example, cuts abrasions or lesions, following direct contact or after a delay of some time. Repeated exposure can cause contact dermatitis, which is characterised by redness, swelling and blistering.<br>122-99-62-Phenoxyethanol<br>Irritation of skin OECD 404 (acute dermal irritation) \| rabbit- non irritating – dossier (REACh)<br>70445-33-93-(2-ethylhexyloxy) propane-1,2-diol<br>Irritation of skin OECD 404 (acute dermal irritation) \| rabbit- non irritating – literature<br>**EYE:**<br>► Evidence exits, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals; Prolonged eye contact may cause inflammation characterised by a temporary redness of the conjunctiva (similar to windburn) or serious eye damage.<br>122-99-62-Phenoxyethanol<br>Irritation of eyes OECD 405 (irritation acute eyes) \| rabbit- irritating – dossier (REACh)<br>70445-33-93-(2-ethylhexyloxy) propane-1,2-diol<br>Irritation of eyes OECD 405 (irritation acute eyes) \| rabbit- severe irritating – literature<br>**CHRONIC:**<br>► Long term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems;<br>► Substance accumulation, in the human body, may occur and may cause some concern following or long-term occupational exposure.<br>122-99-62-Phenoxyethanol<br>Sensitization OECD 406 (Buehler- Test) \| Guinea pig – not sensitising – dossier (REACh)<br>70445-33-93-(2-ethylhexyloxy) propane-1,2-diol<br>Sensitization OECD 429 (LLNA) \| Mouse – not sensitising – literature<br>Sensitization OECD 406 (Buehler- Test) \| Guinea pig – not sensitising – literature |

Germ cell mutagenicity: Based on available data, the classification criteria are not met
Carcinogenicity: Based on available data, the classification criteria are not met
Reproductive toxicity: Based on available data, the classification criteria are not met
STOT- single exposure: Based on available data, the classification criteria are not met
STOT- repeated exposure: Based on available data, the classification criteria are not met
Aspiration hazard: Based on available data, the classification criteria are not met

## SECTION 12 ECOLOGICAL INFORMATION

**TOXICITY:**

| INGREDIENT | ENDPOINT | TEST DURATION [hr] | SPECIES | VALUE |
|---|---|---|---|---|
| 122-99-62-Phenoxyethanol | LC50 | 96 | Fathead minnow | >344mg/L |
| 122-99-62-Phenoxyethanol | EC50 | 72 | Desmodesmus subspicatus | >100mg/L |
| 122-99-62-Phenoxyethanol | EC50 | 48 | Daphnia | >100mg/L |
| 122-99-62-Phenoxyethanol | NOEC(dynamic) | - | Fathead minnow | 23 mg/L |
| 122-99-62-Phenoxyethanol | NOEC(static) | 21 days | Daphnia | 9.43 mg/L |
| 70445-33-93-(2-ethylhexyloxy) propane-1,2-diol | LC50 | 96 | Brachydanio rerio | 60.2 mg/L |
| 70445-33-93-(2-ethylhexyloxy) propane-1,2-diol | EC50 | 72 | Desmodesmus subspicatus | 48.28 mg/L |
| 70445-33-93-(2-ethylhexyloxy) propane-1,2-diol | EC50 | 48 | Daphnia | 78.3 mg/L |
| 70445-33-93-(2-ethylhexyloxy) propane-1,2-diol | NOEC | 72 | Desmodesmus subspicatus | 22.17 mg/L |

**PERSISTENCE AND DEGRADABILITY:**
122-99-62-Phenoxyethanol
- ► OECD 302 B Zahn- Wellens Test | 80-90% (activated sludge) (28days) Dossier (REACh)
- ► The component(s) is(are) biodegradable in activated sludge units.

**BIO-ACCUMULATIVE POTENTIAL:**
122-99-62-Phenoxyethanol
- ► OECD 305 Bioconcentration factor | 0.35(-) literature
- ► OECD 107 LogKow (Shake Flask Method) |1.16 (n-octanol/ water) literature

70445-33-93-(2-ethylhexyloxy) propane-1,2-diol
- ► OECD 117 LogKow Partition Coefficient | 2.53 (n-octanol/ water) literature
- ► Not worth- mentioning accumulating in organisms.

**MOBILITY IN SOIL:**
- ► No further relevant information available.

## SECTION 13 DISPOSAL CONSIDERATION

| | |
|---|---|
| Waste treatment methods | PRODUCT/PACKAGING DISPOSAL:<br>► Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked;<br>► A Hierarchy of Control seems to be common – the user should investigate:<br>► Reduction;<br>► Reuse;<br>► Recycle;<br>► Disposal [if all else fails].<br>► DO NOT allow wash water from cleaning or process equipment to enter drains.<br>► It may be necessary to collect all wash water for treatment before disposal;<br>► In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first;<br>► Where in doubt contact the responsible authority;<br>► Recycle wherever possible or consult manufacturer for recycling options;<br>► Consult State Land Waste Authority for disposal;<br>► Bury or incinerate residue at an approved site;<br>► Recycle containers if possible or dispose of in an authorised landfill. |

## SECTION 14 TRANSPORT INFORMATION

| | | |
|---|---|---|
| **LABELS REQUIRED** | MARINE POLLUTANT: | No |
| | HAZCHEM: | Not applicable |
| | LAND TRANSPORT : | Not regulated for transport of Dangerous Goods |
| | AIR TRANSPORT [ICAO-IATA/DGR]; | Not regulated for transport of Dangerous Goods |
| | SEA TRANSPORT [IMDG-Code/GGVSee]: | Not regulated for transport of Dangerous Goods |
| | UN NUMBER: | Not required |
| | PROPER SHIPPING NAME: | Not required |
| | TECHNICAL SHIPPING NAME: | Not applicable |
| | DG CLASS/SUBSIDARY RISK: | Not applicable |
| | PACKAGING GROUP: | Not allocated |
| | SPECIAL PRECAUTIONS: | Not established |
| | HAZCHEM CODE: | Not allocated |

## SECTION 15 REGULATORY INFORMATION

HSNO Code: 6.1D, 6.4A, 8.3A, 9.1D, 9.3C In HSR 002491

| | |
|---|---|
| **SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE** | The substance is not listed as a hazardous chemical under the following international agreements:<br>► All ingredients listed are under Australian Inventory of Chemical Substance (AICS)<br>► 122-99-62-Phenoxyethanol is under the standard for the uniform scheduling of medicines and poisons |

## SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: Supplier's SDS.

v00: 16/06/2021 PIL. SDS SA181