



# SAFETY DATA SHEET POTASSIUM CARBONATE REVISION 5, DATE 18 DEC 2020

## 1. IDENTIFICATION

|                            |   |
|----------------------------|---|
| <b>Product Name</b>        | <b>Potassium Carbonate</b>  |
| <b>Other Names</b>         | Dipotassium carbonate; Pearl Ash; Potash  |
| <b>Uses</b>                | Used in cleaning agents and additives, dishwashing and laundry detergents; photochemical; filler; laboratory chemical; pH-regulating/buffering agent; Food/feed additive. |
| <b>Chemical Family</b>     | No Data Available   |
| <b>Chemical Formula</b>    | K <sub>2</sub> CO <sub>3</sub>  |
| <b>Chemical Name</b>       | Carbonic acid, dipotassium salt   |
| <b>Product Description</b> | No Data Available   |

### Contact Details of the Supplier of this Safety Data Sheet

| Organisation            | Location   | Telephone       |
|-------------------------|--|-----------------|
| Redox Ltd               | 2 Swettenham Road<br>Minto NSW 2566<br>Australia   | +61-2-97333000  |
| Redox Ltd               | 11 Mayo Road<br>Wiri Auckland 2104<br>New Zealand  | +64-9-2506222   |
| Redox Inc.              | 3960 Paramount Boulevard<br>Suite 107<br>Lakewood CA 90712<br>USA                                      | +1-424-675-3200 |
| Redox Chemicals Sdn Bhd | Suite 13A.03, Menara Summit<br>Persiaran Kewajipan USJ1<br>47600 UEP Subang Jaya<br>Selangor, Malaysia | +60-3-5614-2111 |

### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*

| Organisation               | Location                 | Telephone                                  |
|----------------------------|--------------------------|--|
| Poisons Information Centre | Australia – Westmead NSW | 1800-251525<br>131126                      |
| Chemcall                   | Australia                | 1800-127406<br>+64-4-9179888               |
| Chemcall                   | Malaysia                 | +64-4-9179888                              |
| National Poison Centre     | Malaysia                 | +60-4-6536-999                             |
| Chemcall                   | New Zealand              | 0800-243622<br>+64-4-9179888               |
| National Poisons Centre    | New Zealand              | 0800-764766                                |
| CHEMTREC                   | USA & Canada             | 1-800-424-9300 CN723420<br>+1-703-527-3887 |

## 2. HAZARD IDENTIFICATION

### Poisons Schedule (Aust)

Schedule 5

Redox Ltd  
Corporate Office Sydney  
Locked Bag 15 Minto NSW 2566 Australia  
2 Swettenham Road Minto NSW 2566 Australia  
All Deliveries: 4 Holmes Road Minto NSW 2566 Australia

Phone +61 2 9733 3000  
Fax +61 2 9733 3111  
E-mail [sydney@redox.com](mailto:sydney@redox.com)  
Web [www.redox.com](http://www.redox.com)  
ABN 92 000 762 345

Australia  
Adelaide  
Brisbane  
Melbourne  
Perth  
Sydney

New Zealand  
Auckland  
Christchurch  
Hawke's Bay  
UK  
London

Malaysia  
Kuala Lumpur  
USA  
Los Angeles  
Oakland  
Mexico  
Saltillo



## Globally Harmonised System

**Hazard Classification** Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories** Skin Corrosion/Irritation - Category 2  
 Serious Eye Damage/Irritation - Category 2  
 Specific Target Organ Toxicity (Single Exposure) - Category 3

**Pictograms**

**Signal Word** Warning

|                                 |            |                           |  |
|---------------------------------|------------|---------------------------|--|
| <b>Hazard Statements</b>        |            | <b>H315</b>               | Causes skin irritation.  |
|                                 |            | <b>H319</b>               | Causes serious eye irritation.   |
|                                 |            | <b>H335</b>               | May cause respiratory irritation.  |
| <b>Precautionary Statements</b> | Prevention | <b>P280</b>               | Wear protective gloves/eye protection/face protection.   |
|                                 |            | <b>P261</b>               | Avoid breathing dusts or mists.  |
|                                 |            | <b>P271</b>               | Use only outdoors or in a well-ventilated area.  |
|                                 | Response   | <b>P302 + P352</b>        | IF ON SKIN: Wash with plenty of soap and water.  |
|                                 |            | <b>P337 + P313</b>        | If eye irritation persists: Get medical advice.  |
|                                 |            | <b>P312</b>               | Call a POISON CENTER or doctor if you feel unwell.   |
|                                 |            | <b>P332 + P313</b>        | If skin irritation occurs: Get medical advice.   |
|                                 |            | <b>P362</b>               | Take off contaminated clothing.  |
|                                 | Storage    | <b>P305 + P351 + P338</b> | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|                                 |            | <b>P304 + P340</b>        | IF INHALED: Remove victim to fresh air and keep comfortable for breathing.   |
|                                 |            | <b>P403 + P233</b>        | Store in a well-ventilated place. Keep container tightly closed.   |
|                                 |            | <b>P405</b>               | Store locked up.   |
|                                 |            | Disposal                  | <b>P501</b>  |

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification** NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Safe Work Australia**

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

**Hazard Classification** Hazardous according to the criteria of Safe Work Australia under Model WHS Regulations

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Ingredients**

| Chemical Entity     | Formula                        | CAS Number | Proportion     |
|---------------------|--------------------------------|------------|----------------|
| Potassium carbonate | K <sub>2</sub> CO <sub>3</sub> | 584-08-7   | >=99.5 - 100 % |

**4. FIRST AID MEASURES****Description of necessary measures according to routes of exposure**

|  |  |
|--|--|
| <b>Swallowed</b>                                 | IF SWALLOWED: Rinse mouth, then drink plenty of water. Do NOT induce vomiting. Get immediate medical advice/attention. Never give anything by mouth to an unconscious person.  |
| <b>Eye</b>                                       | IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. Get immediate medical advice/attention.<br>*Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| <b>Skin</b>                                      | IF ON SKIN (or hair): Remove contaminated clothing and shoes immediately. Flush skin and hair with running water (and soap, if available). If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.   |
| <b>Inhaled</b>                                   | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.   |
| <b>Advice to Doctor</b>                          | Treat symptomatically.   |
| <b>Medical Conditions Aggravated by Exposure</b> | No information available.  |

**5. FIRE FIGHTING MEASURES**

|   |   |
|---|---|
| <b>General Measures</b>                   | If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal. Avoid getting water inside containers. |
| <b>Flammability Conditions</b>            | Non-combustible; material itself does not burn.   |
| <b>Extinguishing Media</b>                | If material is involved in a fire, use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction - Do not use water jets.   |
| <b>Fire and Explosion Hazard</b>          | Decomposes on heating, emitting toxic/corrosive fumes. Containers may rupture or explode when heated.   |
| <b>Hazardous Products of Combustion</b>   | Thermal decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides, Potassium oxides.  |
| <b>Special Fire Fighting Instructions</b> | Contain runoff from fire control or dilution water - Runoff may cause pollution.  |
| <b>Personal Protective Equipment</b>      | Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.  |
| <b>Flash Point</b>                        | No Data Available   |
| <b>Lower Explosion Limit</b>              | No Data Available   |
| <b>Upper Explosion Limit</b>              | No Data Available   |
| <b>Auto Ignition Temperature</b>          | No Data Available   |
| <b>Hazchem Code</b>                       | No Data Available   |

**6. ACCIDENTAL RELEASE MEASURES**

|                                   |   |
|-----------------------------------|---|
| <b>General Response Procedure</b> | Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. |
|-----------------------------------|---|

|   |   |
|---|---|
| <b>Clean Up Procedures</b>                  | Collect material (sweep or vacuum up) and seal in properly labelled containers for disposal (see SECTION 13).   |
| <b>Containment</b>                          | Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. If appropriate, cover with inert absorbent to prevent dusting.                                     |
| <b>Decontamination</b>                      | Wash area down with excess water. Prevent runoff into drains.   |
| <b>Environmental Precautionary Measures</b> | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. If contamination of sewers or waterways has occurred advise local emergency services. |
| <b>Evacuation Criteria</b>                  | Spill or leak area should be isolated immediately. Keep unauthorised personnel away.  |
| <b>Personal Precautionary Measures</b>      | Use personal protective equipment as required (see SECTION 8).  |

## 7. HANDLING AND STORAGE

|                  |  |
|------------------|--|
| <b>Handling</b>  | Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). |
| <b>Storage</b>   | Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers closed when not in use - check regularly for spills. Protect container from physical damage. Protect from water/moisture (hygroscopic). Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10). Store locked up.   |
| <b>Container</b> | Keep in the original container.  |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                      |  |
|--------------------------------------|--|
| <b>General</b>                       | No specific exposure standards are available for Potassium carbonate. For dusts from solid substances without specific occupational exposure standards:<br>- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m <sup>3</sup> (measured as inhalable dust).<br>- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m <sup>3</sup> ; TWA = 3 mg/m <sup>3</sup> (respirable dust).   |
| <b>Exposure Limits</b>               | No Data Available  |
| <b>Biological Limits</b>             | No information available.  |
| <b>Engineering Measures</b>          | A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.   |
| <b>Personal Protection Equipment</b> | - Respiratory protection: Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Recommended: Dust mask/particulate respirator. For emergency or unknown concentration, self-contained breathing apparatus or supplied-air respirator, with full face-piece (refer to AS/NZS 1715 & 1716).<br>- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Wear primary eye protection, such as splash-resistant safety goggles, with a secondary protection face-shield.<br>- Hand protection: Wear protective gloves. Recommended: Impervious gloves.<br>- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes. |
| <b>Special Hazards Precautions</b>   | No information available.  |
| <b>Work Hygienic Practices</b>       | Do not eat, drink or smoke when using this product. Wash hands with soap and water after handling. Wash contaminated clothing and other protective equipment before storage or re-use.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                       |           |
|-----------------------|-----------|
| <b>Physical State</b> | Solid     |
| <b>Appearance</b>     | Granules  |
| <b>Odour</b>          | Odourless |

|   |   |
|---|---|
| <b>Colour</b>   | Colourless or white   |
| <b>pH</b>   | 11 (0.02 M soln.)   |
| <b>Vapour Pressure</b>  | No Data Available   |
| <b>Relative Vapour Density</b>  | No Data Available   |
| <b>Boiling Point</b>  | Decomposes  |
| <b>Melting Point</b>  | 891 °C  |
| <b>Freezing Point</b>   | No Data Available   |
| <b>Solubility</b>   | Soluble in water  |
| <b>Specific Gravity</b>   | 2.428 (Water = 1)   |
| <b>Flash Point</b>  | No Data Available   |
| <b>Auto Ignition Temp</b>   | No Data Available   |
| <b>Evaporation Rate</b>   | No Data Available   |
| <b>Bulk Density</b>   | No Data Available   |
| <b>Corrosion Rate</b>   | No Data Available   |
| <b>Decomposition Temperature</b>                                      | No Data Available   |
| <b>Density</b>  | No Data Available   |
| <b>Specific Heat</b>  | No Data Available   |
| <b>Molecular Weight</b>   | 138.20  |
| <b>Net Propellant Weight</b>  | No Data Available   |
| <b>Octanol Water Coefficient</b>                                      | No Data Available   |
| <b>Particle Size</b>  | No Data Available   |
| <b>Partition Coefficient</b>  | No Data Available   |
| <b>Saturated Vapour Concentration</b>                                 | No Data Available   |
| <b>Vapour Temperature</b>   | No Data Available   |
| <b>Viscosity</b>  | No Data Available   |
| <b>Volatile Percent</b>   | No Data Available   |
| <b>VOC Volume</b>   | No Data Available   |
| <b>Additional Characteristics</b>                                     | No information available.   |
| <b>Potential for Dust Explosion</b>                                   | No information available.   |
| <b>Fast or Intensely Burning Characteristics</b>                      | No information available.   |
| <b>Flame Propagation or Burning Rate of Solid Materials</b>           | No information available.   |
| <b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b> | No information available.   |
| <b>Properties That May Initiate or Contribute to Fire Intensity</b>   | Non-combustible; material itself does not burn.   |
| <b>Reactions That Release Gases or Vapours</b>                        | Decomposes on heating, emitting toxic/corrosive fumes, including Carbon oxides, Potassium oxides. |
| <b>Release of Invisible Flammable Vapours and Gases</b>               | No information available.   |

## 10. STABILITY AND REACTIVITY

|                            |  |
|----------------------------|--|
| <b>General Information</b> | No information available.  |
| <b>Chemical Stability</b>  | This material is stable under recommended storage at normal temperature and pressure.            |
| <b>Conditions to Avoid</b> | Avoid generating dust. Protect from water/moisture. Keep away from heat and sources of ignition. |

|   |  |
|---|--|
| <b>Materials to Avoid</b>               | Incompatible/reactive with oxidants, acids, nitrates, chlorine, aluminium, fluorine, magnesium, silicone, chlorine trifluoride, powdered metals. |
| <b>Hazardous Decomposition Products</b> | Decomposes on heating, emitting toxic/corrosive fumes, including Carbon oxides, Potassium oxides.  |
| <b>Hazardous Polymerisation</b>         | Will not occur.  |

## 11. TOXICOLOGICAL INFORMATION

|                            |  |
|----------------------------|--|
| <b>General Information</b> | <ul style="list-style-type: none"><li>- Acute toxicity: Ingestion may cause nausea, vomiting and severe stomach/digestive system irritation and burns.</li><li>- Skin corrosion/irritation: Causes skin irritation.</li><li>- Eye damage/irritation: Causes serious eye irritation.</li><li>- Respiratory/skin sensitisation: No structural flags for sensitisation are present.</li><li>- Germ cell mutagenicity: Not considered to be genotoxic.</li><li>- Carcinogenicity: Not considered carcinogenic.</li><li>- Reproductive toxicity: Does not show specific reproductive or developmental toxicity.</li><li>- STOT (single exposure): May cause respiratory irritation.</li><li>- STOT (repeated exposure): Systemic toxicity is not expected. May cause lung effects after long-term exposure to dust of high concentrations.</li><li>- Aspiration toxicity: No information available.</li></ul> |
| <b>Acute</b>               |  |
| <b>Ingestion</b>           | Acute toxicity (Oral):<br>- LD50, Rats: >2,000 mg/kg bw. [NICNAS].   |
| <b>Carcinogen Category</b> | None   |

## 12. ECOLOGICAL INFORMATION

|                                  |   |
|----------------------------------|---|
| <b>Ecotoxicity</b>               | Aquatic toxicity:<br>- LC50, Fish ( <i>Oncorhynchus mykiss</i> ): 68 mg/L (96 h).<br>- EC50, Crustacea ( <i>Daphnia magna</i> ): 430 mg/L (48 h). |
| <b>Persistence/Degradability</b> | No information available.   |
| <b>Mobility</b>                  | No information available.   |
| <b>Environmental Fate</b>        | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.   |
| <b>Bioaccumulation Potential</b> | No information available.   |
| <b>Environmental Impact</b>      | No Data Available   |

## 13. DISPOSAL CONSIDERATIONS

|  |   |
|--|---|
| <b>General Information</b>               | Dispose of contents/container in accordance with local/regional/national regulations. |
| <b>Special Precautions for Land Fill</b> | No information available.   |

## 14. TRANSPORT INFORMATION

**Land Transport (Australia)**

ADG Code

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Potassium Carbonate                                    |
| <b>Class</b>                | No Data Available                                      |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                      |
|                             | No Data Available                                      |
| <b>UN Number</b>            | No Data Available                                      |
| <b>Hazchem</b>              | No Data Available                                      |
| <b>Pack Group</b>           | No Data Available                                      |
| <b>Special Provision</b>    | No Data Available                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Land Transport (Malaysia)**

ADR Code

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Potassium Carbonate                                    |
| <b>Class</b>                | No Data Available                                      |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                      |
|                             | No Data Available                                      |
| <b>UN Number</b>            | No Data Available                                      |
| <b>Hazchem</b>              | No Data Available                                      |
| <b>Pack Group</b>           | No Data Available                                      |
| <b>Special Provision</b>    | No Data Available                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Land Transport (New Zealand)**

NZS5433

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Potassium Carbonate                                    |
| <b>Class</b>                | No Data Available                                      |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                      |
|                             | No Data Available                                      |
| <b>UN Number</b>            | No Data Available                                      |
| <b>Hazchem</b>              | No Data Available                                      |
| <b>Pack Group</b>           | No Data Available                                      |
| <b>Special Provision</b>    | No Data Available                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Land Transport (United States of America)**

US DOT

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Potassium Carbonate                                    |
| <b>Class</b>                | No Data Available                                      |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                      |
|                             | No Data Available                                      |
| <b>UN Number</b>            | No Data Available                                      |
| <b>Hazchem</b>              | No Data Available                                      |
| <b>Pack Group</b>           | No Data Available                                      |
| <b>Special Provision</b>    | No Data Available                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Sea Transport**

IMDG Code

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | Potassium Carbonate                                   |
| <b>Class</b>                | No Data Available                                     |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                     |
| <b>UN Number</b>            | No Data Available                                     |
| <b>Hazchem</b>              | No Data Available                                     |
| <b>Pack Group</b>           | No Data Available                                     |
| <b>Special Provision</b>    | No Data Available                                     |
| <b>EMS</b>                  | No Data Available                                     |
| <b>Marine Pollutant</b>     | No  |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for SEA transport. |

**Air Transport**

IATA DGR

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | Potassium Carbonate                                   |
| <b>Class</b>                | No Data Available                                     |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                     |
| <b>UN Number</b>            | No Data Available                                     |
| <b>Hazchem</b>              | No Data Available                                     |
| <b>Pack Group</b>           | No Data Available                                     |
| <b>Special Provision</b>    | No Data Available                                     |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for AIR transport. |

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

|                                       |   |
|---------------------------------------|---|
| <b>Dangerous Goods Classification</b> | NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) |
|---------------------------------------|---|

**15. REGULATORY INFORMATION**

|                                |                |
|--------------------------------|----------------|
| <b>General Information</b>     | ALKALINE SALTS |
| <b>Poisons Schedule (Aust)</b> | Schedule 5     |

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

|                      |   |
|----------------------|---|
| <b>Approval Code</b> | HSR002503 Additives Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2020 |
|----------------------|---|

**National/Regional Inventories**

|                         |        |
|-------------------------|--------|
| <b>Australia (AIIC)</b> | Listed |
| <b>Canada (DSL)</b>     | Listed |



|  |                |
|--|----------------|
| Canada (NDSL)                            | Not Listed     |
| China (IECSC)                            | Listed         |
| Europe (EINECS)                          | 209-529-3      |
| Europe (REACH)                           | Not Determined |
| Japan (ENCS/METI)                        | Listed         |
| Korea (KECI)                             | Listed         |
| Malaysia (List of Classified Substances) | Not Listed     |
| New Zealand (NZIoC)                      | Listed         |
| Philippines (PICCS)                      | Listed         |
| Taiwan (TCSI)                            | Listed         |
| USA (TSCA)                               | Listed         |
| Mexico (INSQ)                            | Listed         |

## 16. OTHER INFORMATION

## Related Product Codes

POCARB1000, POCARB1001, POCARB1002, POCARB1003, POCARB1004, POCARB1005, POCARB1006, POCARB1007, POCARB1008, POCARB1009, POCARB1010, POCARB1011, POCARB1012, POCARB1013, POCARB1014, POCARB1015, POCARB1016, POCARB1017, POCARB1018, POCARB1019, POCARB1020, POCARB1031, POCARB1350, POCARB1360, POCARB1400, POCARB1500, POCARB1501, POCARB1600, POCARB1601, POCARB1803, POCARB1805, POCARB1806, POCARB1807, POCARB1808, POCARB1809, POCARB1810, POCARB1811, POCARB1812, POCARB1813, POCARB1814, POCARB1815, POCARB1816, POCARB1817, POCARB1818, POCARB2000, POCARB2001, POCARB2002, POCARB2003, POCARB2004, POCARB2005, POCARB2006, POCARB2007, POCARB2008, POCARB2009, POCARB2010, POCARB2011, POCARB2012, POCARB2013, POCARB2014, POCARB2015, POCARB2016, POCARB2017, POCARB2018, POCARB2019, POCARB2020, POCARB2150, POCARB2200, POCARB2201, POCARB2202, POCARB2203, POCARB2204, POCARB2205, POCARB2206, POCARB2207, POCARB2208, POCARB2209, POCARB2210, POCARB2211, POCARB2212, POCARB2213, POCARB2214, POCARB2500, POCARB3000, POCARB3001, POCARB3100, POCARB3400, POCARB3500, POCARB3600, POCARB3800, POCARB3900, POCARB4000, POCARB4001, POCARB4002, POCARB4003, POCARB4004, POCARB4005, POCARB4006, POCARB4007, POCARB4008, POCARB4009, POCARB4010, POCARB4011, POCARB4012, POCARB4013, POCARB4014, POCARB4015, POCARB4016, POCARB4017, POCARB4020, POCARB4050, POCARB4100, POCARB4101, POCARB4110, POCARB4120, POCARB4121, POCARB4150, POCARB4200, POCARB4201, POCARB4300, POCARB4301, POCARB4400, POCARB4500, POCARB4502, POCARB4550, POCARB4600, POCARB4700, POCARB4800, POCARB5000, POCARB5500, POCARB5501, POCARB6000, POCARB7000, POCARB7001, POCARB7500, POCARB8000, POCARB8200, POCARB9000, POCARB9100, POCARB9500

## Revision

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## Revision Date

18 Dec 2020

## Key/Legend

&lt; Less Than

&gt; Greater Than

**AICS** Australian Inventory of Chemical Substances**atm** Atmosphere**CAS** Chemical Abstracts Service (Registry Number)**cm<sup>2</sup>** Square Centimetres**CO<sub>2</sub>** Carbon Dioxide**COD** Chemical Oxygen Demand**deg C (°C)** Degrees Celcius**EPA (New Zealand)** Environmental Protection Authority of New Zealand**deg F (°F)** Degrees Farenheit**g** Grams**g/cm<sup>3</sup>** Grams per Cubic Centimetre**g/l** Grams per Litre

**HSNO** Hazardous Substance and New Organism

**IDLH** Immediately Dangerous to Life and Health

**immiscible** Liquids are insoluble in each other.

**inHg** Inch of Mercury

**inH<sub>2</sub>O** Inch of Water

**K** Kelvin

**kg** Kilogram

**kg/m<sup>3</sup>** Kilograms per Cubic Metre

**lb** Pound

**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

**ltr** or **L** Litre

**m<sup>3</sup>** Cubic Metre

**mbar** Millibar

**mg** Milligram

**mg/24H** Milligrams per 24 Hours

**mg/kg** Milligrams per Kilogram

**mg/m<sup>3</sup>** Milligrams per Cubic Metre

**Misc** or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

**mm** Millimetre

**mmH<sub>2</sub>O** Millimetres of Water

**mPa.s** Millipascals per Second

**N/A** Not Applicable

**NIOSH** National Institute for Occupational Safety and Health

**NOHSC** National Occupational Health and Safety Commission

**OECD** Organisation for Economic Co-operation and Development

**Oz** Ounce

**PEL** Permissible Exposure Limit

**Pa** Pascal

**ppb** Parts per Billion

**ppm** Parts per Million

**ppm/2h** Parts per Million per 2 Hours

**ppm/6h** Parts per Million per 6 Hours

**psi** Pounds per Square Inch

**R** Rankine

**RCP** Reciprocal Calculation Procedure

**STEL** Short Term Exposure Limit

**TLV** Threshold Limit Value

**tne** Tonne

**TWA** Time Weighted Average

**ug/24H** Micrograms per 24 Hours

**UN** United Nations

**wt** Weight