

### 1. IDENTIFICATION

|                            |   |
|----------------------------|---|
| <b>Product Name</b>        | <b>Rubber Antioxidant 6PPD</b>                                    |
| <b>Other Names</b>         | LINKWELL 6PPD; N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine |
| <b>Uses</b>                | Rubber additive; Antioxidant; Stabiliser.                         |
| <b>Chemical Family</b>     | No Data Available   |
| <b>Chemical Formula</b>    | C18H24N2  |
| <b>Chemical Name</b>       | 1,4-Benzenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-              |
| <b>Product Description</b> | No Data Available   |

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

| Organisation            | Location   | Telephone       |
|-------------------------|--|-----------------|
| Redox Pty Ltd           | 2 Swettenham Road<br>Minto NSW 2566<br>Australia   | +61-2-97333000  |
| Redox Pty 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 | Level 2, No. 8, Jalan Sapir 33/7<br>Seksyen 33, Shah Alam Premier Industrial Park<br>40400 Shah Alam<br>Sengalor, Malaysia | +60-3-5614-2111 |

#### Emergency Contact Details

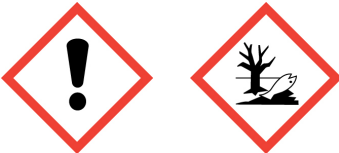
*For emergencies only; DO NOT contact these companies for general product advice.*

| Organisation               | Location     | Telephone                                  |
|----------------------------|--------------|--|
| Poisons Information Centre | Westmead NSW | 1800-251525<br>131126                      |
| Chemcall                   | Australia    | 1800-127406<br>+64-4-9179888               |
| Chemcall                   | Malaysia     | +64-4-9179888                              |
| 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)** Not Scheduled

#### Globally Harmonised System

|                                 |   |   |
|---------------------------------|---|---|
| <b>Hazard Classification</b>    | Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)  |   |
| <b>Hazard Categories</b>        | Acute Toxicity (Oral) - Category 4<br>Sensitisation (Skin) - Category 1<br>Acute Hazard To The Aquatic Environment - Category 1<br>Long-term Hazard To The Aquatic Environment - Category 1 |   |
| <b>Pictograms</b>               |    |   |
| <b>Signal Word</b>              | Warning   |   |
| <b>Hazard Statements</b>        | <b>H302</b>   | Harmful if swallowed.   |
|                                 | <b>H317</b>   | May cause an allergic skin reaction.  |
|                                 | <b>H410</b>   | Very toxic to aquatic life with long lasting effects.   |
| <b>Precautionary Statements</b> | Prevention  | <b>P272</b> Contaminated work clothing should not be allowed out of the workplace.<br><b>P273</b> Avoid release to the environment.<br><b>P280</b> Wear protective gloves.<br><b>P261</b> Avoid breathing dusts or mists.<br><b>P270</b> Do not eat, drink or smoke when using this product.  |
|                                 | Response  | <b>P333 + P313</b> If skin irritation or rash occurs: Get medical advice/attention.<br><b>P363</b> Wash contaminated clothing before reuse.<br><b>P391</b> Collect spillage.<br><b>P302 + P352</b> IF ON SKIN: Wash with plenty of soap and water.<br><b>P301 + P312</b> IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.<br><b>P330</b> Rinse mouth. |
|                                 | Disposal  | <b>P501</b> Dispose of contents/container in accordance with local / regional / national / international regulations.   |

### 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)

### Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

|                             |                       |             |  |
|-----------------------------|-----------------------|-------------|--|
| <b>HSNO Classifications</b> | Health Hazards        | <b>6.1E</b> | Substances that are acutely toxic –May be harmful, Aspiration hazard |
|                             |                       | <b>6.5B</b> | Substances that are contact sensitisers                              |
|                             | Environmental Hazards | <b>9.1A</b> | Substances that are very ecotoxic in the aquatic environment         |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

| Chemical Entity                                    | Formula  | CAS Number | Proportion |
|--|----------|------------|------------|
| N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine | C18H24N2 | 793-24-8   | <=100 %    |

#### 4. FIRST AID MEASURES

##### *Description of necessary measures according to routes of exposure*

|  |  |
|--|--|
| <b>Swallowed</b>                                 | IF SWALLOWED: Rinse mouth, then give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Call a Poison Centre or doctor/physician for advice. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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 rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.  |
| <b>Skin</b>                                      | IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs, get medical advice/attention.   |
| <b>Inhaled</b>                                   | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if respiratory symptoms persist or are severe. Apply resuscitation if victim is not breathing; Administer oxygen if breathing is difficult. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| <b>Advice to Doctor</b>                          | Treat symptomatically and supportively.  |
| <b>Medical Conditions Aggravated by Exposure</b> | May cause an allergic skin reaction.   |

#### 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.                                       |
| <b>Flammability Conditions</b>            | May burn but does not ignite readily; Combustible in contact with open flame.  |
| <b>Extinguishing Media</b>                | Use dry chemical, Carbon dioxide (CO2), foam, dry sand or water spray for extinction - Do not use water jets (a solid water stream may scatter and spread fire). |
| <b>Fire and Explosion Hazard</b>          | Fine dust clouds may form explosive mixtures with air.   |
| <b>Hazardous Products of Combustion</b>   | Fire may produce irritating, toxic and/or corrosive fumes, including Carbon dioxide, Carbon monoxide, Nitrogen oxides.   |
| <b>Special Fire Fighting Instructions</b> | Contain runoff from fire control or dilution water - Runoff may pollute waterways.   |
| <b>Personal Protective Equipment</b>      | Wear self-contained breathing apparatus (SCBA) in combination with normal firefighting clothing (full fire kit).   |
| <b>Flash Point</b>                        | 202 - 204 °C   |
| <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. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid dust formation. Avoid breathing dust and contact with eyes, skin and clothing.                  |
| <b>Clean Up Procedures</b>        | Move containers from spill area. Collect material (vacuum or sweep up) and place it in suitable, properly labelled containers for disposal (see SECTION 13). Use spark-proof tools and explosion-proof equipment. |
| <b>Containment</b>                | Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Prevent dust cloud.  |
| <b>Decontamination</b>            | No information available.   |

|   |  |
|---|--|
| <b>Environmental Precautionary Measures</b> | Spillages and decontamination runoff should be prevented from entering drains and watercourses. Inform the relevant authorities if the product has caused environmental pollution. |
| <b>Evacuation Criteria</b>                  | Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.   |
| <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. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation/accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Combustible dust: Keep away from heat and all sources of ignition - No smoking. Take precautionary measures against static discharge. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Avoid release to the environment - Collect spillage (see SECTION 6). |
| <b>Storage</b>   | Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat and all sources of ignition - No smoking. Keep away from food/drink and incompatible materials (see SECTION 10). Use appropriate containment to avoid environmental contamination.   |
| <b>Container</b> | Keep in the original container or an approved alternative made from a compatible material. Do not store in unlabelled containers. Empty containers retain product residue and can be hazardous.   |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                      |  |
|--------------------------------------|--|
| <b>General</b>                       | Contains no substances with occupational exposure limit values. 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).  |
| <b>Exposure Limits</b>               | No Data Available  |
| <b>Biological Limits</b>             | No information available.  |
| <b>Engineering Measures</b>          | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.  |
| <b>Personal Protection Equipment</b> | - Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate filter respirator (refer to AS/NZS 1715 & 1716).<br>- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side-shields; Use dust goggles if operating conditions cause high dust concentrations to be produced.<br>- Hand protection: Wear protective gloves. Recommended (<1 hour): Chemical-resistant, impervious gloves, e.g. polyvinyl chloride (PVC), nitrile rubber (NBR), polychloroprene (CR).<br>- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Work clothing including long pants and long-sleeved shirts; Suitable protective footwear. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| <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 before breaks and at the end of workday. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                       |       |
|-----------------------|-------|
| <b>Physical State</b> | Solid |
|-----------------------|-------|

|   |  |
|---|--|
| <b>Appearance</b>   | Pastilles  |
| <b>Odour</b>  | Slight, aromatic   |
| <b>Colour</b>   | Dark brown - purple  |
| <b>pH</b>   | 7  |
| <b>Vapour Pressure</b>  | <0.0000066 hPa (@ 25 °C)   |
| <b>Relative Vapour Density</b>  | No Data Available  |
| <b>Boiling Point</b>  | 163 - 165 °C (1.33 hPa)  |
| <b>Melting Point</b>  | 45 - 49 °C (1,013 hPa)   |
| <b>Freezing Point</b>   | No Data Available  |
| <b>Solubility</b>   | Slightly soluble in water (0.001 g/l) 50°C   |
| <b>Specific Gravity</b>   | 0.995  |
| <b>Flash Point</b>  | 202 - 204 °C   |
| <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>  | 0.995 g/cm <sup>3</sup>  |
| <b>Specific Heat</b>  | No Data Available  |
| <b>Molecular Weight</b>   | No Data Available  |
| <b>Net Propellant Weight</b>  | No Data Available  |
| <b>Octanol Water Coefficient</b>                                      | 2.46 (Log Kow)   |
| <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>                                   | Fine dust clouds may form explosive mixtures with air.   |
| <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>   | May burn but does not ignite readily; Combustible in contact with open flame.  |
| <b>Reactions That Release Gases or Vapours</b>                        | Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon dioxide, Carbon monoxide, Nitrogen oxides. |
| <b>Release of Invisible Flammable Vapours and Gases</b>               | No information available.  |

## 10. STABILITY AND REACTIVITY

|                            |   |
|----------------------------|---|
| <b>General Information</b> | No known hazardous reactions under normal conditions of use.  |
| <b>Chemical Stability</b>  | Stable under normal conditions of use.  |
| <b>Conditions to Avoid</b> | Avoid dust formation/accumulation. Keep away from heat and all sources of ignition. Take precautionary measures against static discharge. |

|   |  |
|---|--|
| <b>Materials to Avoid</b>               | Incompatible/reactive with strong acids, oxidising agents.   |
| <b>Hazardous Decomposition Products</b> | Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon dioxide, Carbon monoxide, Nitrogen oxides. |
| <b>Hazardous Polymerisation</b>         | No information available.  |

## 11. TOXICOLOGICAL INFORMATION

|                            |  |
|----------------------------|--|
| <b>General Information</b> | <ul style="list-style-type: none"> <li>- Acute toxicity: Harmful if swallowed.</li> <li>- Skin corrosion/irritation: Skin contact may cause irritation and redness. Not irritating (Rabbit).</li> <li>- Eye damage/irritation: Exposure to airborne concentrations above statutory or recommended exposure limits may cause eye irritation and redness. Slightly irritating (Rabbit).</li> <li>- Respiratory/skin sensitisation: May cause an allergic skin reaction. Sensitisation of the skin (Guinea-pig).</li> <li>- Germ cell mutagenicity: Negative; Not classified based on available information.</li> <li>- Carcinogenicity: It is not listed by the International Agency for Research on Cancer (IARC). Not classified based on available information.</li> <li>- Reproductive toxicity: Not classified based on available information.</li> <li>- STOT (single exposure): Not classified based on available information. Exposure to airborne concentrations above statutory or recommended exposure limits may cause respiratory tract irritation and coughing.</li> <li>- STOT (repeated exposure): Not classified based on available information. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.</li> <li>- Aspiration toxicity: Not classified based on available information.</li> </ul> |
| <b>Acute</b>               |  |
| <b>Ingestion</b>           | Acute toxicity (Oral):<br>- LD50, Rat: 450 mg/kg   |
| <b>Other</b>               | Acute toxicity (Dermal):<br>- LD50, Rabbit: >7,940 mg/kg   |
| <b>Carcinogen Category</b> | None   |

## 12. ECOLOGICAL INFORMATION

|                                  |   |
|----------------------------------|---|
| <b>Ecotoxicity</b>               | Aquatic toxicity:<br>- Acute LC50, Fish ( <i>Oryzias latipes</i> ): 0.028 mg/L (96 h).<br>- Acute EC50, Crustacea ( <i>Daphnia magna</i> ): 0.69 mg/L (48 h).<br>- Acute ErC50, Algae ( <i>Desmodesmus subspicatus</i> ): 2.6 mg/L (72 h).<br>- Chronic NOEC, Fish ( <i>Oryzias latipes</i> ): 0.0037 mg/l (30 d) [OECD 211]. |
| <b>Persistence/Degradability</b> | Not readily biodegradable (2 %, 28 days) [OECD 301C].   |
| <b>Mobility</b>                  | No information available.   |
| <b>Environmental Fate</b>        | Very toxic to aquatic life with long lasting effects - Avoid release to the environment.  |
| <b>Bioaccumulation Potential</b> | High bioaccumulative potential.<br>- Bioconcentration factor (BCF): 569<br>- log Pow: 4.68  |
| <b>Environmental Impact</b>      | No Data Available   |

## 13. DISPOSAL CONSIDERATIONS

|  |   |
|--|---|
| <b>General Information</b>               | The generation of waste should be avoided or minimised wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor and in accordance with local/regional/national regulations. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. |
| <b>Special Precautions for Land Fill</b> | Contaminated packaging: Waste packaging should be recycled; Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.  |

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG Code

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Rubber Antioxidant 6PPD (N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine)   |
| <b>Class</b>                | No Data Available  |
| <b>Subsidiary Risk(s)</b>   | No Data Available  |
| <b>EPG</b>                  | 47 Low To Moderate Hazard Substances   |
| <b>UN Number</b>            | No Data Available  |
| <b>Hazchem</b>              | No Data Available  |
| <b>Pack Group</b>           | No Data Available  |
| <b>Special Provision</b>    | AU01   |
| <b>Comments</b>             | UN#3077: Not regulated as dangerous goods when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L) or IBCs. |

### Land Transport (Malaysia)

ADR Code

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine) |
| <b>Class</b>                | 9 Miscellaneous Dangerous Goods and Articles  |
| <b>Subsidiary Risk(s)</b>   | No Data Available   |
| <b>EPG</b>                  | 47 Low To Moderate Hazard Substances  |
| <b>UN Number</b>            | 3077  |
| <b>Hazchem</b>              | 2Z  |
| <b>Pack Group</b>           | III   |
| <b>Special Provision</b>    | No Data Available   |

### Land Transport (New Zealand)

NZS5433

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine) |
| <b>Class</b>                | 9 Miscellaneous Dangerous Goods and Articles  |
| <b>Subsidiary Risk(s)</b>   | No Data Available   |
| <b>EPG</b>                  | 47 Low To Moderate Hazard Substances  |
| <b>UN Number</b>            | 3077  |
| <b>Hazchem</b>              | 2Z  |
| <b>Pack Group</b>           | III   |
| <b>Special Provision</b>    | No Data Available   |

### Land Transport (United States of America)

US DOT

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine) |
| <b>Class</b>                | 9 Miscellaneous Dangerous Goods and Articles  |
| <b>Subsidiary Risk(s)</b>   | No Data Available   |
| <b>ERG</b>                  | 171 Substances (Low to Moderate Hazard)   |
| <b>UN Number</b>            | 3077  |
| <b>Hazchem</b>              | 2Z  |

|                          |                   |
|--------------------------|-------------------|
| <b>Pack Group</b>        | III               |
| <b>Special Provision</b> | No Data Available |

### Sea Transport

IMDG Code

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine) |
| <b>Class</b>                | 9 Miscellaneous Dangerous Goods and Articles  |
| <b>Subsidiary Risk(s)</b>   | No Data Available   |
| <b>UN Number</b>            | 3077  |
| <b>Hazchem</b>              | 2Z  |
| <b>Pack Group</b>           | III   |
| <b>Special Provision</b>    | No Data Available   |
| <b>EMS</b>                  | F-A, S-F  |
| <b>Marine Pollutant</b>     | Yes   |

### Air Transport

IATA DGR

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine) |
| <b>Class</b>                | 9 Miscellaneous Dangerous Goods and Articles  |
| <b>Subsidiary Risk(s)</b>   | No Data Available   |
| <b>UN Number</b>            | 3077  |
| <b>Hazchem</b>              | 2Z  |
| <b>Pack Group</b>           | III   |
| <b>Special Provision</b>    | No Data Available   |

### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & 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>     | No Data Available |
| <b>Poisons Schedule (Aust)</b> | Not Scheduled     |

### Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

|                      |           |
|----------------------|-----------|
| <b>Approval Code</b> | HSR006911 |
|----------------------|-----------|

### National/Regional Inventories

|                         |                |
|-------------------------|----------------|
| <b>Australia (AICS)</b> | Listed         |
| <b>Canada (DSL)</b>     | Not Determined |
| <b>Canada (NDSL)</b>    | Not Determined |



|   |                |
|---|----------------|
| <b>China (IECSC)</b>                                  | Not Determined |
| <b>Europe (EINECS)</b>                                | Not Determined |
| <b>Europe (REACH)</b>                                 | Not Determined |
| <b>Japan (ENCS/METI)</b>                              | Not Determined |
| <b>Korea (KECI)</b>                                   | Not Determined |
| <b>Malaysia (EHS Register)</b>                        | Not Determined |
| <b>New Zealand (NZIoC)</b>                            | Listed         |
| <b>Philippines (PICCS)</b>                            | Not Determined |
| <b>Switzerland (Giftliste 1)</b>                      | Not Determined |
| <b>Switzerland (Inventory of Notified Substances)</b> | Not Determined |
| <b>Taiwan (NCSR)</b>                                  | Not Determined |
| <b>USA (TSCA)</b>                                     | Not Determined |

## 16. OTHER INFORMATION

|                              |   |
|------------------------------|---|
| <b>Related Product Codes</b> | DMBPPD1000, DMBPPD1001, DMBPPD1002, DMBPPD1003, DMBPPD1004, DMBPPD1100, DMBPPD1700, DMBPPD1701, DMBPPD1702, DMBPPD1703, DMBPPD1704, DMBPPD1705, DMBPPD1706, DMBPPD1707, DMBPPD1708, DMBPPD1810, DMBPPD2500, DMBPPD3500  |
| <b>Revision</b>              | 4   |
| <b>Revision Date</b>         | 30 Oct 2018   |
| <b>Reason for Issue</b>      | SDS Updated   |
| <b>Key/Legend</b>            | <p>&lt; Less Than<br/>&gt; Greater Than<br/> <b>AICS</b> Australian Inventory of Chemical Substances<br/> <b>atm</b> Atmosphere<br/> <b>CAS</b> Chemical Abstracts Service (Registry Number)<br/> <b>cm<sup>2</sup></b> Square Centimetres<br/> <b>CO<sub>2</sub></b> Carbon Dioxide<br/> <b>COD</b> Chemical Oxygen Demand<br/> <b>deg C (°C)</b> Degrees Celcius<br/> <b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand<br/> <b>deg F (°F)</b> Degrees Fahrenheit<br/> <b>g</b> Grams<br/> <b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre<br/> <b>g/l</b> Grams per Litre<br/> <b>HSNO</b> Hazardous Substance and New Organism<br/> <b>IDLH</b> Immediately Dangerous to Life and Health<br/> <b>immiscible</b> Liquids are insoluble in each other.<br/> <b>inHg</b> Inch of Mercury<br/> <b>inH<sub>2</sub>O</b> Inch of Water<br/> <b>K</b> Kelvin<br/> <b>kg</b> Kilogram<br/> <b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre<br/> <b>lb</b> Pound<br/> <b>LC50</b> LC stands for lethal concentration. LC50 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.<br/> <b>LD50</b> LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.<br/> <b>ltr</b> or <b>L</b> Litre<br/> <b>m<sup>3</sup></b> Cubic Metre<br/> <b>mbar</b> Millibar<br/> <b>mg</b> Milligram<br/> <b>mg/24H</b> Milligrams per 24 Hours</p> |

**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  
**tn** Tonne  
**TWA** Time Weighted Average  
**ug/24H** Micrograms per 24 Hours  
**UN** United Nations  
**wt** Weight