



# SAFETY DATA SHEET WAX & GREASE REMOVER REVISION 4, DATE 18 JUN 2023

## 1. IDENTIFICATION

|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| <b>Product Name</b>        | <b>Wax &amp; Grease Remover</b>                               |
| <b>Other Names</b>         | No Data Available                                             |
| <b>Uses</b>                | Degreasing surfaces in preparation for painting.              |
| <b>Chemical Family</b>     | No Data Available                                             |
| <b>Chemical Formula</b>    | Unspecified                                                   |
| <b>Chemical Name</b>       | Contains: Solvent naphtha, petroleum, light aromatic; Toluene |
| <b>Product Description</b> | No Data Available                                             |

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

| <b>Organisation</b>     | <b>Location</b>                                                                                        | <b>Telephone</b> |
|-------------------------|--------------------------------------------------------------------------------------------------------|------------------|
| 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.*

| <b>Organisation</b>        | <b>Location</b>          | <b>Telephone</b>                           |
|----------------------------|--------------------------|--------------------------------------------|
| 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)

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## 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>        |            | Flammable Liquids - Category 2<br>Skin Corrosion/Irritation - Category 2<br>Serious Eye Damage/Irritation - Category 2<br>Toxic To Reproduction - Category 2<br>Specific Target Organ Toxicity (Single Exposure) - Category 3<br>Specific Target Organ Toxicity (Repeated Exposure) - Category 2<br>Aspiration Hazard - Category 1<br>Long-term Hazard To The Aquatic Environment - Category 2 |                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pictograms</b>               |            |                                                         |                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Signal Word</b>              |            | Danger                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Hazard Statements</b>        |            | <b>H225</b><br><b>H304</b><br><b>H315</b><br><b>H319</b><br><b>H336</b><br><b>H361fd</b><br><b>H373</b><br><b>H411</b>                                                                                                                                                                                                                                                                         | Highly flammable liquid and vapour.<br>May be fatal if swallowed and enters airways.<br>Causes skin irritation.<br>Causes serious eye irritation.<br>May cause drowsiness or dizziness.<br>Suspected of damaging fertility. Suspected of damaging the unborn child.<br>May cause damage to organs through prolonged or repeated exposure.<br>Toxic to aquatic life with long lasting effects. |
| <b>Precautionary Statements</b> | Prevention | <b>P210</b>                                                                                                                                                                                                                                                                                                                                                                                    | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                                                                                                                                                                                                                                                                                |
|                                 |            | <b>P260</b>                                                                                                                                                                                                                                                                                                                                                                                    | Do not breathe mist/vapour/spray.                                                                                                                                                                                                                                                                                                                                                             |
|                                 |            | <b>P233</b>                                                                                                                                                                                                                                                                                                                                                                                    | Keep container tightly closed.                                                                                                                                                                                                                                                                                                                                                                |
|                                 |            | <b>P201</b>                                                                                                                                                                                                                                                                                                                                                                                    | Obtain special instructions before use.                                                                                                                                                                                                                                                                                                                                                       |
|                                 |            | <b>P273</b>                                                                                                                                                                                                                                                                                                                                                                                    | Avoid release to the environment.                                                                                                                                                                                                                                                                                                                                                             |
|                                 |            | <b>P240</b>                                                                                                                                                                                                                                                                                                                                                                                    | Ground and bond container and receiving equipment.                                                                                                                                                                                                                                                                                                                                            |
|                                 |            | <b>P241</b>                                                                                                                                                                                                                                                                                                                                                                                    | Use explosion-proof electrical/ventilating/lighting and all other equipment.                                                                                                                                                                                                                                                                                                                  |
|                                 |            | <b>P242</b>                                                                                                                                                                                                                                                                                                                                                                                    | Use non-sparking tools.                                                                                                                                                                                                                                                                                                                                                                       |
|                                 |            | <b>P243</b>                                                                                                                                                                                                                                                                                                                                                                                    | Take action to prevent static discharges.                                                                                                                                                                                                                                                                                                                                                     |
|                                 |            | <b>P271</b>                                                                                                                                                                                                                                                                                                                                                                                    | Use only outdoors or in a well-ventilated area.                                                                                                                                                                                                                                                                                                                                               |
|                                 |            | <b>P280</b>                                                                                                                                                                                                                                                                                                                                                                                    | Wear protective gloves/protective clothing/eye protection/face protection and suitable respirator.                                                                                                                                                                                                                                                                                            |
|                                 | Response   | <b>P370 + P378</b>                                                                                                                                                                                                                                                                                                                                                                             | In case of fire: Alcohol resistant foam is the preferred fire-fighting medium but, if it is not available, normal foam can be used.                                                                                                                                                                                                                                                           |
|                                 |            | <b>P301 + P310</b>                                                                                                                                                                                                                                                                                                                                                                             | IF SWALLOWED: Immediately call a POISON CENTER or doctor.                                                                                                                                                                                                                                                                                                                                     |
|                                 |            | <b>P331</b>                                                                                                                                                                                                                                                                                                                                                                                    | Do NOT induce vomiting.                                                                                                                                                                                                                                                                                                                                                                       |
|                                 |            | <b>P303 + P361 + P353</b>                                                                                                                                                                                                                                                                                                                                                                      | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                                                                                                                                                                                                                                                                                        |
|                                 |            | <b>P337 + P313</b>                                                                                                                                                                                                                                                                                                                                                                             | If eye irritation persists: Get medical attention.                                                                                                                                                                                                                                                                                                                                            |
|                                 |            | <b>P308 + P313</b>                                                                                                                                                                                                                                                                                                                                                                             | IF exposed or concerned: Get medical attention.                                                                                                                                                                                                                                                                                                                                               |

|          |                           |                                                                                                                                  |
|----------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|          | <b>P312</b>               | Call a POISON CENTER or doctor if you feel unwell.                                                                               |
|          | <b>P391</b>               | Collect spillage.                                                                                                                |
|          | <b>P332 + P313</b>        | If skin irritation occurs: Get medical attention.                                                                                |
|          | <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>P363</b>               | Wash contaminated clothing before reuse.                                                                                         |
| Storage  | <b>P403 + P235</b>        | Store in a well-ventilated place. Keep cool.                                                                                     |
|          | <b>P405</b>               | Store locked up.                                                                                                                 |
| 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 &amp; Rail (ADG Code)

**Dangerous Goods Classification**

Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road &amp; 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 |
|--------------------------------------------|-------------------------------|-------------|------------|
| Solvent naphtha, petroleum, light aromatic | Unspecified                   | 64742-95-6  | 30 - 60 %  |
| Toluene                                    | C <sub>7</sub> H <sub>8</sub> | 108-88-3    | 30 - 60 %  |
| Ingredients determined not to be hazardous | Unspecified                   | Unspecified | Balance %  |

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

IF SWALLOWED: Rinse mouth, then drink a glass of water. Do NOT induce vomiting. For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person.

**Eye**

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.

**Skin**

IF ON SKIN (or hair): Remove and isolate contaminated clothing and shoes. Immediately flush skin and hair with running water (and soap, if available) for at least 15 minutes. For gross contamination, immediately drench contaminated clothing and skin with plenty of water before removing clothes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.

\*In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. Cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break

blisters.

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhaled</b>                                   | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. Call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. |
| <b>Advice to Doctor</b>                          | Treat symptomatically. Keep victim calm and warm. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.<br>*Most important symptoms and effects, both acute and delayed: May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.                   |
| <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.                                                                                                                                                                                                                                                                                       |
| <b>Flammability Conditions</b>            | HIGHLY FLAMMABLE LIQUID & VAPOUR: Low flashpoint – Will be easily ignited by heat, sparks or flame.                                                                                                                                                                                                                                                                                                              |
| <b>Extinguishing Media</b>                | Use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction - Do not use water jets. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used.<br>*Caution: Use of water spray when fighting fire may be inefficient.                                                                                                        |
| <b>Fire and Explosion Hazard</b>          | Risk of violent reaction or explosion! Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapour explosion hazard indoors, outdoors or in sewers! Containers may explode when heated. Many liquids are lighter than water. |
| <b>Hazardous Products of Combustion</b>   | Fire may produce irritating, corrosive and/or toxic smoke and gases, including carbon monoxide, carbon dioxide and oxides of nitrogen.                                                                                                                                                                                                                                                                           |
| <b>Special Fire Fighting Instructions</b> | Contain runoff from fire control or dilution water - Runoff may cause pollution. Runoff to sewer may create fire or explosion hazard.                                                                                                                                                                                                                                                                            |
| <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>                        | -1 °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>                       | •3YE                                                                                                                                                                                                                                                                                                                                                                                                             |

## 6. ACCIDENTAL RELEASE MEASURES

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Response Procedure</b> | Ensure adequate ventilation - Ventilate enclosed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material - Slippery when spilt. Avoid accidents, clean up immediately! Do not breathe vapours and avoid contact with eyes, skin and clothing. |
| <b>Clean Up Procedures</b>        | Absorb or cover with dry earth, sand or other non-combustible material. Use clean, non-sparking tools to collect absorbed material and transfer to containers (see SECTION 13).                                                                                                                                                                                                                                     |
| <b>Containment</b>                | Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far ahead of large spill for later disposal.<br>*A vapour-suppressing foam may be used to reduce vapours. Water spray may reduce vapour, but may not prevent ignition in closed spaces.                                                                                                            |
| <b>Decontamination</b>            | Ventilate area well to evaporate remaining liquid and to dispel vapour. Clean area with detergent and water. Spillages                                                                                                                                                                                                                                                                                              |

|                                             |                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Precautionary Measures</b> | and decontamination runoff should be prevented from entering drains and watercourses. Spillages and decontamination runoff should be prevented from entering drains and watercourses. If contamination of crops, sewers or waterways has occurred advise local emergency services. |
| <b>Evacuation Criteria</b>                  | Spill or leak area should be isolated immediately. Evacuate all unprotected personnel. Keep unauthorised personnel away. Keep upwind and to higher ground.<br>*Large spill: CALL EMERGENCY RESPONSE. Consider initial downwind evacuation for at least 300 meters.                 |
| <b>Personal Precautionary Measures</b>      | Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours (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. Obtain special instructions before use - Do not handle until all safety precautions have been read and understood. Handle containers with care; Open slowly in order to control possible pressure release. Do not breathe mist/vapours/aerosols and avoid contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection and suitable respirator (see SECTION 8). HIGHLY FLAMMABLE LIQUID & VAPOUR: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. 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. Avoid exposure to temperatures above 50 °C. Keep container upright and tightly closed when not in use. Check all containers are clearly labelled and check regularly for leaks. Protect containers against physical damage. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Keep away from food/feedstuffs and incompatible materials (see SECTION 10). Do NOT store in pits, depressions, basements or areas where vapours may be trapped. Store locked up.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Container</b> | Keep in the original container or recommended materials.<br>*For containers or container linings, use mild steel, stainless steel. For container paints, use epoxy paint, zinc silicate paint. Avoid prolonged contact with natural, butyl or nitrile rubbers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>                       | No specific exposure standards are available for this product.<br>COMPONENT: Toluene (CAS No. 108-88-3):<br>- Safe Work Australia Exposure Standard: TWA = 50 ppm (191 mg/m <sup>3</sup> ); STEL = 150 ppm (574 mg/m <sup>3</sup> ); Absorption through the skin may be a significant source of exposure (Sk).                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Exposure Limits</b>               | No Data Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Biological Limits</b>             | No information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Engineering Measures</b>          | Use in a well ventilated area sufficient to maintain airborne concentration levels below exposure standard. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flame proof local exhaust ventilation system is required. Ensure ventilation is adequate to prevent build up of explosive atmosphere.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Personal Protection Equipment</b> | - Respiratory protection: In confined areas and in case of inadequate ventilation, wear respiratory protection. Recommended: Organic vapour/particulate 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, chemical goggles or full-face shield, as appropriate.<br>- Hand protection: Wear protective gloves. Recommended: Wear gloves of impervious material, e.g. Polyvinyl chloride (PVC), neoprene or nitrile rubber gloves.<br>- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes. Chemical resistant apron is recommended where large quantities are decanted. |
| <b>Special Hazards Precautions</b>   | Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Work Hygienic Practices</b>       | Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical State</b>                                                 | Liquid                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Appearance</b>                                                     | Clear liquid                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Odour</b>                                                          | Aromatic                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Colour</b>                                                         | Colourless                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>pH</b>                                                             | No Data Available                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Vapour Pressure</b>                                                | No Data Available                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Relative Vapour Density</b>                                        | >1 Air = 1                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Boiling Point</b>                                                  | 95 - 138 °C                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Melting Point</b>                                                  | No Data Available                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Freezing Point</b>                                                 | No Data Available                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Solubility</b>                                                     | Negligible solubility in water                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Specific Gravity</b>                                               | 0.780 - 0.810 kg/l                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Flash Point</b>                                                    | -1 °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>                                                        | No Data Available                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>                                      | 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>                                               | 100%                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>VOC Volume</b>                                                     | No Data Available                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Additional Characteristics</b>                                     | Sudden release of hot organic chemical vapours or mists from process equipment operating at elevated temperatures and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. |
| <b>Potential for Dust Explosion</b>                                   | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Fast or Intensely Burning Characteristics</b>                      | Risk of violent reaction or explosion!                                                                                                                                                                                                                                                                                                                                                                  |
| <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> | Will float and can be re-ignited on surface water.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Properties That May Initiate or Contribute to Fire Intensity</b>   | HIGHLY FLAMMABLE LIQUID & VAPOUR: Low flashpoint – Will be easily ignited by heat, sparks or flame.                                                                                                                                                                                                                                                                                                     |
| <b>Reactions That Release Gases or Vapours</b>                        | Fire/decomposition may produce irritating, corrosive and/or toxic smoke and gases, including carbon monoxide, carbon dioxide and oxides of nitrogen.                                                                                                                                                                                                                                                    |

**Release of Invisible Flammable Vapours and Gases**

Vapours may form explosive mixtures with air.

**10. STABILITY AND REACTIVITY**

|                                         |                                                                                                                                                                                                                                  |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Information</b>              | No information available.                                                                                                                                                                                                        |
| <b>Chemical Stability</b>               | Stable at normal room temperature and pressure.                                                                                                                                                                                  |
| <b>Conditions to Avoid</b>              | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Take action to prevent static discharges.                                                                                                     |
| <b>Materials to Avoid</b>               | Incompatible/reactive with strong alkalis, mineral acids, halogens, strong oxidizers (liquid chlorine, concentrated oxygen, sodium hypochlorite, peroxides, chlorates, perchlorates, nitrates, & permanganates), amines, rubber. |
| <b>Hazardous Decomposition Products</b> | Fire/decomposition may produce irritating, corrosive and/or toxic smoke and gases, including carbon monoxide, carbon dioxide and oxides of nitrogen.                                                                             |
| <b>Hazardous Polymerisation</b>         | Will not occur.                                                                                                                                                                                                                  |

**11. TOXICOLOGICAL INFORMATION**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Information</b> | <p>Information on toxicological effects:</p> <ul style="list-style-type: none"><li>- Acute toxicity: This material has been classified as not hazardous for acute exposure.</li><li>- Skin corrosion/irritation: Causes skin irritation.</li><li>- Eye damage/irritation: Causes serious eye irritation.</li><li>- Respiratory/skin sensitisation: Not a respiratory sensitiser; Not a skin sensitiser.</li><li>- Germ cell mutagenicity: Not expected to be mutagenic.</li><li>- Carcinogenicity: This material has been classified as non-hazardous.</li><li>- Reproductive toxicity: Suspected of damaging fertility or the unborn child.</li><li>- STOT (single exposure): May cause dizziness and drowsiness.</li><li>- STOT (repeated exposure): May cause damage to organs through prolonged or repeated exposure.</li><li>- Aspiration toxicity: May be fatal if swallowed and enters airways.</li></ul> <p>Information on likely routes of exposure:</p> <ul style="list-style-type: none"><li>- Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.</li><li>- Eye contact: The liquid is irritating to the eyes and is capable of causing pain and conjunctivitis but will not injure eye tissue. The vapour is irritating to the eyes if exposure is prolonged.</li><li>- Skin contact: The liquid is irritating to the skin if contact is prolonged and may cause de-fatting and drying of the skin which may lead to dermatitis from repeated exposures over long periods. Toxic effects may result from skin absorption. Capable of being absorbed by the skin and may cause central nervous system depression.</li><li>- Inhalation: Material may be an irritant to mucous membranes and respiratory tract. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.</li></ul> <p>Chronic effects: Repeated or prolonged exposure to hydrocarbon solvents could result in liver, kidney and central nervous disorders as well as anaemia and leukopenia (lowered white cell count).</p> |
| <b>Carcinogen Category</b> | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**12. ECOLOGICAL INFORMATION**

|                                  |                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>               | Toxic to aquatic life with long-lasting effects.                                           |
| <b>Persistence/Degradability</b> | Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air. |
| <b>Mobility</b>                  | Floats on water. Adsorbs to soil and has low mobility.                                     |

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Environmental Fate        | Do not discharge this material into waterways, drains and sewers. |
| Bioaccumulation Potential | Has the potential to bioaccumulate.                               |
| Environmental Impact      | No Data Available                                                 |

### 13. DISPOSAL CONSIDERATIONS

|                                   |                                                                                                                                                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Information               | If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local/regional/national regulations. |
| Special Precautions for Land Fill | Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment (see SECTION 8).                           |

### 14. TRANSPORT INFORMATION

#### Land Transport (Australia)

ADG Code

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. (Contains Solvent naphtha; Toluene) |
| Class                | 3 Flammable Liquids                                          |
| Subsidiary Risk(s)   | No Data Available                                            |
| EPG                  | 128 Flammable Liquids (Water-Immiscible)                     |
| UN Number            | 1993                                                         |
| Hazchem              | •3YE                                                         |
| Pack Group           | II                                                           |
| Special Provision    | No Data Available                                            |

#### Land Transport (Malaysia)

ADR Code

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. (Contains Solvent naphtha; Toluene) |
| Class                | 3 Flammable Liquids                                          |
| Subsidiary Risk(s)   | No Data Available                                            |
| EPG                  | 128 Flammable Liquids (Water-Immiscible)                     |
| UN Number            | 1993                                                         |
| Hazchem              | •3YE                                                         |
| Pack Group           | II                                                           |
| Special Provision    | No Data Available                                            |

#### Land Transport (New Zealand)

NZS5433

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. (Contains Solvent naphtha; Toluene) |
| Class                | 3 Flammable Liquids                                          |
| Subsidiary Risk(s)   | No Data Available                                            |
| EPG                  | 128 Flammable Liquids (Water-Immiscible)                     |
| UN Number            | 1993                                                         |
| Hazchem              | •3YE                                                         |

|                   |                   |
|-------------------|-------------------|
| Pack Group        | II                |
| Special Provision | No Data Available |

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

US DOT

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. (Contains Solvent naphtha; Toluene) |
| Class                | 3 Flammable Liquids                                          |
| Subsidiary Risk(s)   | No Data Available                                            |
| ERG                  | 128 Flammable Liquids (Non-Polar / Water-Immiscible)         |
| UN Number            | 1263                                                         |
| Hazchem              | •3YE                                                         |
| Pack Group           | II                                                           |
| Special Provision    | No Data Available                                            |

**Sea Transport**

IMDG Code

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. (Contains Solvent naphtha; Toluene) |
| Class                | 3 Flammable Liquids                                          |
| Subsidiary Risk(s)   | No Data Available                                            |
| UN Number            | 1993                                                         |
| Hazchem              | •3YE                                                         |
| Pack Group           | II                                                           |
| Special Provision    | No Data Available                                            |
| EMS                  | F-E, S-E                                                     |
| Marine Pollutant     | Yes                                                          |

**Air Transport**

IATA DGR

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. (Contains Solvent naphtha; Toluene) |
| Class                | 3 Flammable Liquids                                          |
| Subsidiary Risk(s)   | No Data Available                                            |
| UN Number            | 1993                                                         |
| Hazchem              | •3YE                                                         |
| Pack Group           | II                                                           |
| Special Provision    | No Data Available                                            |

**National Transport Commission (Australia)**

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

|                                |                                                                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Dangerous Goods Classification | Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------|

**15. REGULATORY INFORMATION**

|                         |         |
|-------------------------|---------|
| General Information     | TOLUENE |
| Poisons Schedule (Aust) | 6       |

## Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

|               |              |
|---------------|--------------|
| Approval Code | Not Assessed |
|---------------|--------------|

## National/Regional Inventories

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

## 16. OTHER INFORMATION

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Codes | SOLBLE3150, SOLBLE3155, SOLVEN3320, SOLVEN3321, SOLVEN3322, SOLVEN3330, SOLVEN5402, SOLVEN5404, SOLVEN5405, SOLVEN5482                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Revision              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Revision Date         | 18 Jun 2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reason for Issue      | Updated SDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Key/Legend            | <p>&lt; Less Than</p> <p>&gt; Greater Than</p> <p><b>AICS</b> Australian Inventory of Chemical Substances</p> <p><b>atm</b> Atmosphere</p> <p><b>CAS</b> Chemical Abstracts Service (Registry Number)</p> <p><b>cm<sup>2</sup></b> Square Centimetres</p> <p><b>CO<sub>2</sub></b> Carbon Dioxide</p> <p><b>COD</b> Chemical Oxygen Demand</p> <p><b>deg C (°C)</b> Degrees Celcius</p> <p><b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand</p> <p><b>deg F (°F)</b> Degrees Farenheit</p> <p><b>g</b> Grams</p> <p><b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre</p> <p><b>g/l</b> Grams per Litre</p> |

**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