

# SAFETY DATA SHEET

## RANGER™

Date of Issue: 8 June 2023

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

|  |  |
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| Chemical name of active ingredient(s):<br>Recommended use: | Proprietary alcohol ethoxylate<br>Adjuvant   |
| Supplier:  | UPL New Zealand Limited<br>PO Box 51584, Pakuranga<br>Auckland<br>Phone 0800 100 325<br>www.upl-ltd.com/nz |
| Emergency telephone number:                                | 0800 CHEM CALL (0800 243 622) 24 Hours   |



### 2. HAZARDS IDENTIFICATION

Skin corrosion/irritation – Cat 2  
Serious eye damage/ eye irritation – Cat 2  
STOT SE (Respiratory tract irritation) – Cat 3

#### Required identification Details:

#### Signal Word: **WARNING**

Label Notice - Keep out of reach of Children.

Label Notice - Read label before use.

Label Notice – If medical advice is needed, have the product container or label at hand.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 – Wash hands thoroughly after handling.

P271 – Use only outdoors or in a well-ventilated area.

P280 – Wear protective gloves and eye protection.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 – Call a POISON CENTER or doctor/physician if you feel unwell.

P321 – NA, No specific treatment specified.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.  
P362 – Take off contaminated clothing and wash before reuse.

P403+P233 – NA, product not volatile.  
P405 – Store locked up.

P501 – Dispose of contents/container in accordance with local regulations.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

| Common name                    | CAS No      | %        |
|--------------------------------|-------------|----------|
| Proprietary alcohol ethoxylate | Proprietary | 75 - 100 |

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### 4. FIRST-AID MEASURES

#### Effects and symptoms

No adverse symptoms or effects anticipated under normal handling conditions See section 2 for further details.

#### General information:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

#### First-aid measures

##### Inhalation:

May cause respiratory irritation. Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

##### Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

##### Skin contact:

Causes skin irritation. Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.

##### Eye contact:

Causes serious eye irritation. Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

##### Notes to a physician:

There is no specific antidote. Treatment is symptomatic and supportive.

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### 5. FIRE-FIGHTING MEASURES

#### General Fire Hazards:

#### Extinguishing media:

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray. Do not use; water jet.

#### Hazardous thermal (de)composition products:

Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulphur, nitrogen or phosphorus may also be formed.

Avoid breathing dust / fume / gas / mist / vapours / spray.

#### Special fire-fighting procedures:

#### Advice for fire-fighters:

Evacuate area. Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Exposed firefighters must wear standard protective equipment and in enclosed areas self-contained breathing apparatus. Use water-spray to cool fire exposed surfaces and personnel.

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### 6. ACCIDENTAL RELEASE MEASURES

|                                   |   |
|-----------------------------------|---|
| <b>Personal precautions:</b>      | Keep all sources of ignition away from spill/release. In case of a major spill or spillage in a confined space evacuate the area and check vapor levels.  |
| <b>Environmental precautions:</b> | Do not allow spills to enter drains or watercourses.  |
| <b>Methods for cleaning up:</b>   | Ventilate the area and avoid breathing vapors or mists. Take the personal protective measures listed in section 8.<br>Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13). Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or watercourses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed. |

## 7. HANDLING AND STORAGE

|                             |   |
|-----------------------------|---|
| <b>Handling:</b>            | Do not get in eyes on skin or on clothing.<br>Do not breathe vapors or mists.<br>Keep container closed. Use only with adequate ventilation.<br>Use good personal hygiene practices.<br>Wash hands before eating, drinking, smoking.<br>Remove contaminated clothing and clean before re-use.<br>Destroy contaminated belts and shoes and other items that cannot be decontaminated. |
| <b>Storage:</b>             | Store in tightly closed containers in dry, well-ventilated area away from excessive heat and incompatibles.<br>Incompatible materials: Oxidizing agents   |
| <b>Packaging materials:</b> |   |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Exposure Standards:** No Established Limit

### Engineering measures

**Exposure control measures:** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

### Personal Protective Equipment

#### **General information:**

#### **Respiratory system:**

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

#### **Skin and body:**

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed.

All parts of the body should be washed after contact.

#### **Hands:**

#### **Eyes:**

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids.

#### **General hygiene:**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
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| <b>Physical State: Colour, Odour.</b>                | Liquid. Mild odour.  |
| <b>pH:</b>   | 7.89 (1% DILUTION)   |
| <b>Vapour Pressure:</b>                              |  |
| <b>Boiling Point:</b>                                |  |
| <b>Flash Point:</b>                                  | >93 C (200 F)  |
| <b>Freezing/melting point:</b>                       | Not Measured.  |
| <b>Solubility:</b>                                   |  |
| <b>Specific Gravity/Density:</b>                     | 0.974  |
| <b>Vapor pressure:</b>                               | Not Measured   |
| <b>Vapor density:</b>                                | Not Measured   |
| <b>Auto-ignition:</b>                                | Not Measured   |
| <b>Upper/lower flammability or explosive limits:</b> | Lower Explosive Limit: Not Measured<br>Upper Explosive Limit: Not Measured |
| <b>Evaporation rate:</b>                             | Not Measured   |
| <b>Viscosity:</b>                                    | Not Measured   |
| <b>Octanol/water partition coefficient:</b>          |  |
| <b>Explosive Properties:</b>                         |  |
| <b>Oxidation Properties:</b>                         |  |

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## 10. STABILITY AND REACTIVITY

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| <b>Stability:</b>                        | Stable under normal ambient and anticipated conditions of use.<br>Not chemically reactive.                 |
| <b>Conditions to avoid:</b>              | Extended exposure to high temperatures can cause decomposition.<br>Avoid all possible sources of ignition. |
| <b>Materials to avoid:</b>               | Oxidizing agents.  |
| <b>Hazardous Decomposition Products:</b> | Not anticipated under normal conditions of use.  |
| <b>Hazardous reactions:</b>              | Hazardous reactions not anticipated.   |

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## 11. TOXICOLOGICAL INFORMATION

|   |                                   |
|---|-----------------------------------|
| <b>Acute toxicity – Oral:</b>                                     | Not Applicable                    |
| <b>Acute toxicity - Dermal:</b>                                   | Not Applicable                    |
| <b>Acute toxicity – Inhalation:</b>                               | Not Applicable                    |
| <b>Skin irritation:</b>   | Causes skin irritation.           |
| <b>Eye irritation:</b>  | Causes serious eye irritation.    |
| <b>Sensitization:</b>   | Not Applicable.                   |
| <b><u>Chronic toxicity</u></b>                                    |                                   |
| <b>Carcinogenicity:</b>   | Not Applicable                    |
| <b>Germ Cell Mutagenicity:</b>                                    | Not Applicable                    |
| <b>Reproductive toxicity:</b>                                     | Not Applicable                    |
| <b>Aspiration Hazard:</b>   | Not Applicable                    |
| <b>Specific target organ systemic toxicity (single exposure):</b> | May cause respiratory irritation. |

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## 12. ECOLOGICAL INFORMATION

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| <b>Toxicity:</b>                                   | No additional information provided for this product. |
| <b>Fish</b>  |  |
| <b>Aquatic Invertebrates</b>                       |  |
| <b>Chronic hazards to the aquatic environment:</b> |  |
| <b>Fish</b>  |  |

|   |  |
|---|--|
| <b>Aquatic Invertebrates Persistence and Degradability:</b> | There is no data available on the preparation itself |
| <b>Biodegradation</b>                                       |  |
| <b>Bioaccumulative potential:</b>                           | Not Measured   |
| <b>Bioconcentration Factor (BCF)</b>                        |  |
| <b>Results of PBT and vPvB assessment:</b>                  | This product contains no PBT/vPvB chemicals          |
| <b>Mobility in soil:</b>                                    | No data available                                    |
| <b>Other adverse effects:</b>                               | No data available                                    |

### 13. DISPOSAL CONSIDERATIONS

**Methods of disposal:** Ideally, the product should be used for its intended purpose. Triple rinse containers; add rinsate to the spray tank. Then offer the container for recycling through the Agrecovery programme, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.



**Empty container precautions:** Avoid contamination of any water supply with chemical or empty pack. Ensure pack is completely empty by adding residue to spray tank.

### 14. TRANSPORT INFORMATION - International transport regulations

|                              |               |
|------------------------------|---------------|
| <b>UN number:</b>            | NA            |
| <b>Hazchem:</b>              | NA            |
| <b>Class or Division:</b>    | NA            |
| <b>Subsidiary Class:</b>     |               |
| <b>Packing Group:</b>        | NA            |
| <b>Marine Pollutant:</b>     | No            |
| <b>Proper shipping name:</b> | Not regulated |

**INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):**

### 15. REGULATORY INFORMATION

|                                |  |
|--------------------------------|--|
| <b>ACVM Registered Number:</b> | Exempt from registration under the ACVM Act 1997 |
| <b>HSNO Approval Code:</b>     | HSR002503  |

### 16. OTHER INFORMATION

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|--------------------------------|--|
| <b>Additional information:</b> | <b>Original Issue Date:</b> 5 September 2022 |
|                                | <b>Revision Date:</b> 8 June 2023            |
|                                | <b>Replaces:</b> ES661                       |

**Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

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