

## Safety Data Sheet – Sundew Surface Disinfectant

### 1. IDENTIFICATION

<b>Product Name:</b>	Sundew Surface Disinfectant
<b>Other Names:</b>	
<b>Recommended Use:</b>	Sanitiser
<b>Address:</b>	Unit 11, 4 Dunlop Court, Bayswater VIC 3153
<b>Website:</b>	www.sundewsolutions.com.au
<b>Telephone:</b>	03 9729 6227
<b>Emergency Phone:</b>	03 9729 6227
<b>National Poisons Centre:</b>	13 11 26

### 2. POSSIBLE HAZARDS

**Hazard Classification:** 6.3B,  
Causes mild skin irritation. Skin corrosion/irritation category 3

### 3. COMPOSITION: Information on Ingredients

Ingredient	CAS Number	Concentration (%w/w)
Hydrogen Peroxide	7722-84-1	0.5
Balance – Proprietary ingredients of low hazard	Proprietary	To 100%

### 4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

#### **Swallowed**

If swallowed, do not induce vomiting. Drink a few cupful's of water or milk. Begin artificial respiration if the victim is not breathing.

#### **Skin Contact**

Remove contaminated clothing and shoes and wash skin with plenty of soap and water. DO NOT scrub the skin. Wash clothing before reuse. Seek medical attention if symptoms occur.

#### **Eye Contact**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses if present and easy to do and continue rinsing. Do NOT allow victim to rub eyes or keep eyes closed. Obtain medical attention if symptoms occur.

#### **Inhalation**

Move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur.

#### **Medical Attention**

Treat symptomatically and supportively. No known antidote. In all cases consult the National Poisons Centre for the most up to date treatment information.

### 5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

#### **Suitable extinguishing media**

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). Cool fire exposed container with water spray.

#### **Hazards from combustion products**

Oxidizing substance. Non combustible, but will support combustion of other materials.

#### **Precautions for fire fighters and special protective equipment**

Not combustible, however following evaporation of the water component of the material, the residual material can

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burn if ignited. On burning will emit toxic fumes, including those of oxygen. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray.

**Hazchem Code**

None

**Flash Point**

>100°C

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures**

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment vessel or bunded area. Ensure that drain valves are closed at all times. Clean up minor spills immediately.

**Methods and materials for containment for a major spill**

Eliminate sources of ignition. Warn occupants of downwind areas of possible hazards. Keep the public away from the area. Prevent product from entering sewers, watercourses, or low-lying areas. Shut off the source of the spill if safe to do so. Advise relevant authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimise the effect on the groundwater. Collect and seal in properly labelled containers for disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. In all instances due consideration must be given for First Aid Measures (Section 4), PPE requirements (Section 8), Stability and Reactivity (Section 10) for this material.

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

Keep out of reach of children. Keep containers closed. Use only in well-ventilated areas. When handling do not eat, drink or smoke. Wash hands after handling.

**Conditions for safe storage**

Store in a cool, dry place away from direct sunlight and incompatible materials. Keep away from heat and ignition sources. Store in original containers. Protect from physical damage to prevent accidental release.

**Incompatible materials**

Strong acids, alkalis, reducing agents, combustible materials, organic chemicals, metal salts, and permanganates.

**Fire Extinguisher Requirements**

No specific requirements.

### 8. EXPOSURE CONTROLS: Personal Protection

**Exposure Limits**

Peracetic acid: STEL = 0.4 ppm (ACGIH 2015)

Acetic acid: WES-TWA 10 ppm, 25 mg/m<sup>3</sup>; WES-STEL 15 ppm, 37 mg/m<sup>3</sup>

Hydrogen peroxide: WES-TWA 1 ppm, 1.4 mg/m<sup>3</sup>

**Engineering Controls:**

The use of local exhaust ventilation is recommended to control process emissions near the source if using bulk quantities. Sufficient ventilation should be provided to keep the solvent in air concentrations below any relevant exposure limit. Provide mechanical ventilation of confined spaces.

**Hygiene Controls:**

Facilities storing or utilising this material should be equipped with a facility for washing hands/face after work.

**Personal Protective Equipment**

**Respiratory Protection:** Recommended if applying large quantities of product.

**Eye protection:** Recommended if applying large quantities of product.

**Skin/ Body Protection:** It is recommended that long sleeves and pants are worn when using and chemical resistant gloves (eg nitrile, latex) be worn when applying large quantities of product.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear liquid
<b>Boiling Point (°C):</b>	Approximately 100
<b>Melting Point(°C):</b>	Not applicable
<b>Flash Point(°C):</b>	>100
<b>Lower Explosive Limit, LEL (%):</b>	No data available
<b>Upper Explosive Limit, UEL (%):</b>	No data available
<b>SG/ Density, 20°C (g/mL):</b>	0.95 – 1.05
<b>Vapour Pressure, 20°C (kPa):</b>	No data available
<b>Alkalinity/ acidity as pH:</b>	3.0 – 4.0
<b>Solubility in water:</b>	Miscible

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult Sundew Solutions Pty Ltd.

### 10. STABILITY AND REACTIVITY

#### Chemical stability

Stable at room temperature and pressure. Reacts with metals.

#### Hazardous decomposition products

Supports combustion of other materials and increases intensity of a fire. Potential for exothermic hazard..

#### Specific Materials to Avoid

Strong acids, alkalis, reducing agents, combustible materials, organic chemicals, metal salts, permanganates and heat.

#### Hazardous Polymerisation

Not known to occur.

### 11. TOXICOLOGICAL INFORMATION

#### Acute Effects

**Ingestion:** Low toxicity if swallowed. Exposure to large quantities may result in such nonspecific symptoms as headache, dizziness, weakness, and nausea.

Ingestion of small amounts is unlikely to cause permanent injury.

**Eye Contact:** The liquid may cause transient eye irritation. Avoid eye contact

**Skin Contact:** Contact with the skin may result in temporary irritation. Avoid skin contact.

**Inhalation:** The vapour/mist may be discomforting to the upper respiratory tract and lungs. Acute effects from inhalation of high vapour concentrations may cause effects similar to that of ingestion.

#### Chronic Effects

No known effects.

#### Other Health Effects Information

Not Available.

#### Toxicological Information

Oral LD<sub>50</sub>: >220,000 mg/kg (product, estimated)

Dermal LD<sub>50</sub>: >1,500,000 mg/kg (product, estimated)

Inhalation LC<sub>50</sub>: >1,000 mg/L (product, estimated)

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

This product has low hazard potential to the environment. No specific ecological data available on this product.

**Persistence/ Biodegradability:** This product is biodegradable and non-persistent.

**Mobility:** This product is readily soluble with water and will degrade rapidly in the environment to carbon dioxide, water and oxygen

#### Aquatic Toxicity:

Fish toxicity LC<sub>50</sub>: >1250 mg/L; product estimated

Daphnia Magna EC<sub>50</sub>: >300 mg/L; product estimated

Algae EC<sub>50</sub>: >300 mg/L; product estimated

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### 13. DISPOSAL CONSIDERATIONS

#### **Product Disposal**

Dispose of product only by using according to label. Dilution with potable water or application outside will cause rapid degradation of the product to benign components. Do not combine with other waste solutions. If this material as supplied becomes a waste care should be taken to ensure compliance with national and local authorities. It is the responsibility of the waste generator to determine the toxicity and physical properties of the waste generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Do not dispose of via drains, natural streams or rivers.

#### **Packaging Disposal**

Triple rinse container. Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Incinerate via approved incinerators or crush and bury in an approved landfill. Ensure that empty packaging is managed in accordance with and HSNO regulations.

### 14. TRANSPORT INFORMATION

UN No: Not a DG for transport

### 15. REGULATORY INFORMATION

Country/ Region: Australia

TGA Approval Number: Not applicable

APVMA Approval Number: Not applicable

TGA Classifications: Exempt disinfectant <3% concentration

### 16. OTHER INFORMATION

#### **Reasons for Issue:**

New SDS.

#### **Abbreviations:**

TWA - the highest allowable exposure concentration in an eight-hour day for a five-day working week

STEL - maximum allowable exposure concentration at any time

CAS Number: Chemical Abstracts Number

MBIE - Ministry of Business, Innovation and Employment

HSNO: Hazardous Substances and New Organisms

TGA: Therapeutic Goods Administration

APVMA: Australian Pesticides and Veterinary Medicines Authority

#### **References:**

- Supplier Safety Data Sheets
- Hazardous Substances Databank

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the suppliers knowledge. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.