

# Material Safety Data Sheet

**SPREADWET 1000**

Infosafe No.: X01E8

Version No.: 3.0

ISSUED Date : 22/06/2022

ISSUED by: DKSH AGRISOLUTIONS PTY LTD

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### Product Name

SPREADWET 1000

### Product Code

140010509

### Company name

DKSH AGRISOLUTIONS PTY LTD

### Address

Level 3, 35 Cotham Road, Kew, Victoria 3101

AUSTRALIA

### Emergency Tel.

1800 638 556

### Telephone/Fax Number

Telephone: +61 3 9720 6306 Fax number: +61 3 9720 6407

### Email

regaffairs.anz@dksh.com

### Recommended Use

A tank mix adjuvant to improve wetting and spreading of pesticides.

## 2. HAZARD IDENTIFICATION

### Hazard Classification

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute toxicity: Category 4 - Oral

Skin corrosion/irritation: Category 2

Eye damage/irritation: Category 1

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical Characterization

Liquid

### Ingredients

Name	CAS	Proportion
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	20-30 %
Alcohols, C12-14, ethoxylated	68439-50-9	5-15 %
2-(2-Butoxyethoxy) ethanol	112-34-5	1-<10 %
Ingredients determined not to be hazardous		Balance

## 4. FIRST-AID MEASURES

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### **Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

### **Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

### **Skin**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

### **Eye**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

### **First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

### **Advice to Doctor**

Treat symptomatically.

### **Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

## 5. FIRE-FIGHTING MEASURES

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### **Suitable Extinguishing Media**

Carbon dioxide, dry chemical, foam, water mist or water spray.

### **Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

### **Specific Hazards**

This product will burn if exposed to fire.

### **Decomposition Temperature**

Not available

### **Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

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### **Emergency Procedures**

Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for Safe Storage

Store in a cool, dry, well-ventilated area away from sources of ignition, foodstuffs, clothing and incompatible materials such as oxidising agents. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

### Storage Regulations

Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940 2017.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### National Exposure Standards

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

### Biological Limit Values

No biological limits allocated.

### Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Form

Liquid

**Appearance**

Clear liquid

**Odour**

Not available

**Decomposition Temperature**

Not available

**Melting Point**

Not available

**Freezing Point**

<0°C

**Boiling Point**

Not available

**Solubility in Water**

Dispersible

**Specific Gravity**

1.0 (20°C) (approximate)

**pH Value**

6-8 (1% aqueous solution)

**Vapour Pressure**

Not available

**Vapour Density (Air=1)**

Not available

**Evaporation Rate**

Not available

**Odour Threshold**

Not available

**Viscosity**

Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

**Colour**

Not available

**Volatile Component**

Not available

**Octanol/Water Partition Coefficient**

Not available

**Flash Point**

>150°C (Open Cup)

**Flammability**

Non Flammable

**Auto-Ignition Temperature**

Not available

**Flammable Limits - Lower**

Not available

**Flammable Limits - Upper**

Not available

**Explosion Properties**

Not available

**Oxidising Properties**

Not available

**Kinematic Viscosity**

Not available

**Dynamic Viscosity**

Not available

## 10. STABILITY AND REACTIVITY

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**Stability and reactivity**

Refer to Section 10: Possibility of hazardous reactions.

**Chemical Stability**

Stable under normal conditions of storage and handling.

**Conditions to Avoid**

Heat, open flames and other sources of ignition.

**Incompatible materials**

Strong oxidising agents.

**Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes including: oxides of nitrogen, carbon dioxide and carbon monoxide.

**Hazardous Reactions**

Reacts with incompatible materials.

**Hazardous Polymerization**

Not available.

## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

No toxicity data available for this material.

**Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

**Ingestion**

Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

**Skin**

Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

**Eye**

Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

No ecological data available for this material.

**Persistence / Degradability**

Not available.

**Mobility**

Not available.

**Bioaccumulative Potential**

Not available.

**Other Adverse Effects**

Not available.

**Environmental Protection**

Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

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**Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. To minimise personal exposure, refer to Section 8 - Exposure Controls and Personal Protection.

## 14. TRANSPORT INFORMATION

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**Transport Information**

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**U.N. Number**

None Allocated

**Proper Shipping Name**

None Allocated

**DG Class**

None Allocated

**Packing Group**

None Allocated

**Special Precautions for User**

Not available

**UN Number (Air Transport, ICAO)**

None Allocated

**IATA/ICAO Proper Shipping Name**

Not dangerous for conveyance under IATA code

**IATA/ICAO Hazard Class**

None Allocated

**IATA/ICAO Packing Group**

None Allocated

**IMDG UN No**

None Allocated

**IMDG Proper Shipping Name**

Not dangerous for conveyance under IMO/IMDG code

**IMDG Hazard Class**

None Allocated

**IMDG Pack. Group**

None Allocated

**IMDG Marine pollutant**

No

## 15. REGULATORY INFORMATION

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### Regulatory information

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### Poisons Schedule

Not Scheduled

### Australia (AICS)

All components of this product are listed on the Inventory or exempted.

## 16. OTHER INFORMATION

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### Date of preparation or last revision of MSDS

SDS Reviewed: June 2022, Supersedes: May 2018

### Contact Person/Point

**IMPORTANT ADVICE:** An SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. The information contained in this SDS is believed to be correct but is not guaranteed. Prior to using the product(s) referred to in this SDS, each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the supplier listed in section 1 of the SDS. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. DKSH Agrisolutions Pty Ltd does not accept any other liability either directly or indirectly for any losses suffered in connection with the use and application of the product whether or not in accordance with any advice, specification, recommendation or information given by it. DKSH Agrisolutions Pty Ltd SDS WARNING: DKSH Agrisolutions Pty Ltd is aware that third parties are distributing documents purporting to be SDSs (or the like) in relation to DKSH Agrisolutions Pty Ltd products without any authorisation from DKSH Agrisolutions Pty Ltd ("Unauthorised SDS"). DKSH Agrisolutions Pty Ltd accepts no responsibility for the distribution of an Unauthorised SDS by a third party or for any information contained therein. All DKSH Agrisolutions Pty Ltd products must be used in accordance with the corresponding original and current SDS authorised by DKSH Agrisolutions Pty Ltd for use with that DKSH Agrisolutions Pty Ltd product ("Authorised SDS"). In the event that an SDS in relation to an DKSH Agrisolutions Pty Ltd product has expired and is not marked as obsolete, please contact DKSH Agrisolutions Pty Ltd immediately to obtain a current SDS. Further, if an DKSH Agrisolutions Pty Ltd product is used without the Authorised SDS and/or with an Unauthorised SDS, or an expired SDS which is not marked obsolete, DKSH Agrisolutions Pty Ltd hereby excludes absolutely and to the maximum extent permitted by law all liability whatsoever and howsoever arising under contract, tort (including negligence) or otherwise for all loss and/or damage including, but not limited to, for personal injury, sickness or death, damage to real property and/or chattels and all indirect and consequential loss (including loss of profits).

### References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Code of Practice for Supply Diversion into Illicit Drug Manufacture.

National Code of Practice for Chemicals of Security Concern.

Agricultural Compounds and Veterinary Chemicals Act.

International Agency for Research on Cancer (IARC) Monographs.

Montreal Protocol on Substances that Deplete the Ozone Layer.

Stockholm Convention on Persistent Organic Pollutants (POPs).

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.

International Air Transport Association (IATA) Dangerous Goods Regulations.

International Maritime Dangerous Goods (IMDG) Code.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).

Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

## END OF MSDS

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