

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 20.5.2020

Revision: 20.5.2020

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: Sprawl

Other Means of Identification: N/a

Recommended Use of the Chemical and Restriction on Use: A tank mix adjuvant to improve wetting and spreading of pesticides.

Details of Manufacturer or Importer:

Agspec Australia Pty Ltd
Lot 1, Wandilo Road
Wandilo, via Mt Gambier, SA 5290

Phone Number: 1800 683 456

Emergency telephone number: 0427 490 551 or 0457 733 763

2 . HAZARDS IDENTIFICATION

GHS classification of the substance/mixture:

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
(7th edition)

Acute Toxicity - Dermal: Category 4

Acute Toxicity - Inhalation: Category 4

Eye Damage/Irritation: Category 2

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2

Signal Word (s):

WARNING

Hazard Statement (s):

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

Pictogram (s):

Exclamation mark, Environment



Precautionary statement – Prevention:

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

P264 Wash contaminated skin thoroughly after handling.

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

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

SAFETY DATA SHEET

According to Safe Work Australia

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Revision: 20.5.2020

Precautionary statement – Response:**GENERAL**

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

P391 Collect spillage.

SKIN

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

P363 Wash contaminated clothing before reuse.

EYE

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

P337+P313 If eye irritation persists: Get medical advice/attention.

INHALATION

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

Precautionary statement – Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS	Proportion
Oxirane, methyl-, polymer with oxirane, mono[3-[1, 3, 3, 3-tetramethyl-]-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether (9CI)	134180-76-0	>=75- <=100 %

4. FIRST AID MEASURES

Inhalation:

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. 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 contact:

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek 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 or a doctor at once. (131 126).

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According to Safe Work Australia

Printing date 20.5.2020

Revision: 20.5.2020

Product Name: Sprawl

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, dry chemical, foam, water mist or water spray. Alcohol resistant foam is preferred. If not available normal foam can be used.

Unsuitable Extinguishing Media:

Do not use water jet.

Hazards from Combustion Products:

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

Specific Hazards Arising From The Chemical:

This product will burn if exposed to fire.

Hazchem Code:

•3Z

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

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

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.

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 20.5.2020

Revision: 20.5.2020

Product Name: Sprawl**Conditions for safe storage, including any incompatibilities:**

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. 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. Reference should also be made to all applicable local and national regulations.

Storage Regulations:

Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit values:

No Exposure Limit Established

Biological Limit Values:

No biological limits allocated.

Appropriate 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.

Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, 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.

In case of formation of vapours/aerosols:

Short term: filter apparatus, combination filter A-P2

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 side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

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

Hand Protection:

Wear gloves of impervious material:

Nitrile (NBR)

Minimum break-through time of the glove: 480min, Glove strength: 0.11mm

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 20.5.2020

Revision: 20.5.2020

Product Name: Sprawl

Natural latex

Minimum break-through time of the glove: 480min, Glove strength: 0.5mm

Chloroprene (CR, e.g. Neoprene)

Minimum break-through time of the glove: 480min, Glove strength: 0.65mm

Butyl (IIR)

Minimum break-through time of the glove: 480min, Glove strength: 0.7mm

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

Form:	Liquid
Appearance:	Light yellow liquid
Colour:	Light Yellow
Odour:	Characteristic
Decomposition Temperature:	Not available
Melting Point:	Not available
Boiling Point:	Not available
Solubility in Water:	Soluble
pH:	6-8 (40g/l water) (25°C)
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
Volatile Component:	Not available
Partition Coefficient: n-octanol/water:	Not available
Density:	1.01g/cm ³ (25°C) (approximate)
Flash Point:	102°C (DIN EN 22719 (DIN 51758))
Flammability:	Not 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:	40-90mPa.s (25°C) Method: DIN 53019

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 20.5.2020

Revision: 20.5.2020

Product Name: Sprawl

10 . STABILITY AND REACTIVITY

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: carbon dioxide, carbon monoxide and silicon dioxide.

Possibility of hazardous reactions:

Reacts with incompatible materials.

Hazardous Polymerization:

Not available

11 . TOXICOLOGICAL INFORMATION

Toxicology Information:

Available toxicity data is given below.

Acute Toxicity – Oral:

LD50 (rat): 3200mg/kg

Acute Toxicity – Inhalation:

LC50 (rat): 1.08mg/Li/4h

Test atmosphere: dust/mist

Method: OECD 403

Source: Untersuchungsbericht/Evonik Goldschmidt GmbH

Acute Toxicity – Dermal:

LD50 (rabbit): 1550mg/kg LD50 (rat): >2000mg/kg

Ingestion:

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation:

Harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.

Skin:

Harmful in contact with skin. Product can be absorbed through skin with resultant harmful systemic effects.

Eye:

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Species: rabbit

Result: strong irritant

Respiratory sensitization:

Not expected to be a respiratory sensitiser.

Skin Sensitisation:

Not expected to be a skin sensitiser.

Species: guinea pig

Result: did not cause sensitization on laboratory animals; non-sensitizing

Germ cell mutagenicity:

Not considered to be a mutagenic hazard.

Carcinogenicity:

Not considered to be a carcinogenic hazard.

Reproductive Toxicity:

Not considered to be toxic to reproduction.

STOT-single exposure:

Not expected to cause toxicity to a specific target organ.

SAFETY DATA SHEET

According to Safe Work Australia

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Revision: 20.5.2020

Product Name: Sprawl**STOT-repeated exposure:**

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard:

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic life with long lasting effects.

Persistence and degradability:

Not available

Mobility:

Not available

Bioaccumulative Potential:

Not available

Other Adverse Effects:

Not available

Environmental Protection:

Do not discharge this material into waterways, drains and sewers.

Acute Toxicity – Fish:

LC50 (Rainbow trout): 2.1mg/l/96h

Acute Toxicity – Daphnia:

EC50 (Daphnia magna): 1.1mg/l/48h

Acute Toxicity – Algae:

EbC50 (Scenedesmus subspicatus): 28.2mg/l/72h (refer to biomass)

ErC50 (Scenedesmus subspicatus): 152.2mg/l/72h (growth rate)

13. DISPOSAL CONSIDERATIONS

Disposal considerations:

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information:

This material is classified as Dangerous Goods Class 9 Miscellaneous Dangerous Goods

Class 9: Miscellaneous substances Dangerous Goods are incompatible in a placard load with any of the following: Class 1: Explosives (when the class 9 substance is a fire risk substance) Division 5.1: Oxidising substances (when the class 9 substance is a fire risk substance) and

Division 5.2: Organic peroxides (when the class 9 substance is a fire risk substance).

Note: Special Provision AU01:

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:

packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.

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According to Safe Work Australia

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Product Name: Sprawl**U.N. Number:**

3082

UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Oxirane, methyl-, polymer with oxirane, mono[3-[1,3,3, 3-tetramethyl]-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether (9CI))

Transport hazard class(es) 9Packing Group:

III

Hazchem Code:

•3Z

Special Precautions for User:

Not available

IERG Number:

47

UN Number (Air Transport, ICAO):

3082

IATA/ICAO Proper Shipping Name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Oxirane, methyl-, polymer with oxirane, mono[3-[1,3,3, 3-tetramethyl]-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether (9CI))

IATA/ICAO Hazard Class 9IATA/ICAO Packing Group:

III

IATA/ICAO Symbol:

Miscellaneous Dangerous Goods

IMDG UN No:

3082

IMDG Proper Shipping Name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Oxirane, methyl-, polymer with oxirane, mono[3-[1,3,3, 3-tetramethyl]-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether (9CI))(Oxirane, methyl-, polymer with oxirane, mono[3-[1,3, 3,3-tetramethyl]-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether (9CI)) MARINE POLLUTANT

IMDG Hazard Class 9IMDG Pack. Group:

III

IMDG Marine pollutant:

Yes

IMDG EMS:

F-A,S-F

Transport in Bulk:

Not available

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Product Name: Sprawl

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Date of preparation or last revision of SDS: 20.5.2020

SDS Created: November 2018

Prepared by: AGSPEC**References:**

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice .
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants.
6. Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH)..
7. Globally Harmonised System of classification and labelling of chemicals.

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer:

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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