



# SAFETY DATA SHEET

## WAIKEN

Infosafe No.: X01E7

Version No.: 2.0

ISSUED Date : 04/08/2021

ISSUED by: SST AUSTRALIA PTY LTD

### Section 1 - Identification

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**Product Identifier**

WAIKEN

**Company Product Codes / Numbers / Unique Identifiers**

140010554

**Company Name**

SST AUSTRALIA PTY LTD

**Address**

Level 3, 35 Cotham Road, Kew, Victoria 3101

Australia

**Telephone/Fax Number**

Telephone: 03 9720 6306 Fax number: 03 9720 6407

**Emergency Phone Number**

1800 638 556

**E-mail Address**

compliance@axieo.com

**Recommended use of the chemical and restrictions on use**

Compaction aid and dormancy breaker for apples, cherries, kiwi fruit and grapes.

### Section 2 - Hazard(s) Identification

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**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)

Skin corrosion/irritation: Category 2

Eye Damage/Irritation: Category 2

Reproductive toxicity: Category 1B

Hazardous to the Aquatic Environment - Acute Hazard: Category 1

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

H410 Very toxic to aquatic life with long lasting effects.

**Pictogram (s)**

Health hazard, Exclamation mark, Environment



#### Precautionary Statement – Prevention

- P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P264 Wash skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

#### Precautionary Statement – Response

- P391 Collect spillage.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 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.

#### Precautionary Statement – Storage

- P405 Store locked up.

#### Precautionary Statement – Disposal

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

## Section 3 - Composition and Information on Ingredients

### Ingredients

Name	CAS	Proportion
Dibutyl phthalate	84- 74- 2	10- <35 %
Ethoxylated nonylphenol	9016- 45- 9	10- <20 %
Oxirane Methyl, Polymer With Oxirane	9003- 11- 6	1- <12 %
Ingredients determined not to be hazardous		Balance

## Section 4 - First Aid Measures

### 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 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)

## Section 5 - Firefighting Measures

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### 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, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

### 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.

## Section 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.

## Section 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.

Avoid exposure. Do not handle until all safety precautions have been read and understood. It is recommended that pregnant or breastfeeding women should not handle this product unless adequate exposure protection can be assured at all times. Female personnel planning pregnancy should be made aware of the potential risks.

### Conditions for safe storage, including any incompatibilities

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.

## Section 8 - Exposure Controls and Personal Protection

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### Occupational exposure limit values

Substance	Regulations	Exposure	Exposure Limit	Units	Notes
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		<b>Duration</b>			
Dibutyl phthalate	Safe Work Australia	TWA	5	mg/m3	

**Biological Monitoring**

No biological limits allocated.

**Control Banding**

Not available

**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 and Face 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 (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.

**Thermal Hazards**

No further relevant information available.

**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.

**Section 9 - Physical and Chemical Properties**

Properties	Description	Properties	Description
<b>Form</b>	Liquid	<b>Appearance</b>	Clear yellow liquid
<b>Colour</b>	Yellow	<b>Odour</b>	Not available
<b>Freezing Point</b>	<0 °C	<b>Boiling Point</b>	Not available
<b>Decomposition Temperature</b>	Not available	<b>Solubility in Water</b>	Dispersible
<b>Specific Gravity</b>	0.97 (20 °C) (approximate)	<b>pH</b>	6-8 (1% aqueous solution)
<b>Vapour Pressure</b>	Not available	<b>Relative Vapour Density (Air=1)</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity	<b>Volatile Component</b>	Not available
<b>Partition Coefficient: n-octanol/water (log value)</b>	Not available	<b>Flash Point</b>	>150 °C (Open Cup)
<b>Flammability</b>	Non Flammable	<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	Not available	<b>Flammable Limits - Upper</b>	Not available
<b>Explosion Properties</b>	Not available	<b>Oxidising Properties</b>	Not available
<b>Kinematic Viscosity</b>	Not available	<b>Dynamic Viscosity</b>	Not available

**Section 10 - Stability and Reactivity****Reactivity**

Refer to Section 10: Possibility of hazardous reactions

**Chemical Stability**

Stable under normal conditions of storage and handling.

**Possibility of hazardous reactions**

Reacts with strong oxidising agents.

**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 and carbon monoxide.

**Hazardous Polymerization**

Not available

## Section 11 - Toxicological Information

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**Toxicology Information**

Toxicity data for material given below.

**Acute Toxicity - Oral**

LD50 (rat): 6300 mg/kg

**Acute Toxicity - Dermal**

LD50 (rabbit): >4000 mg/kg

**Acute Toxicity - Inhalation**

LC50 (rat): >15 mg/l/4h

**Ingestion**

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

**Inhalation**

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

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

**Respiratory Sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ Cell Mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

May damage fertility or the unborn child. Classified as a Known or presumed human reproductive or developmental toxicant.

**Dibutyl phthalate**

Chronic administration of dibutyl phthalate in test animals has caused adverse effects on fertility. Effects seen in adult rats include decreased success in reproductive outcomes and testicular changes in the male rats. Younger animals are more susceptible to Dibutyl phthalate with adverse effects on the testes appearing at lower doses than for older animals.

Recent studies in test animals suggest that Dibutyl phthalate may have adverse effects on the unborn child when the mother is exposed during pregnancy. Effects have occurred in the male offspring only and the target system has been the genital system.

**STOT - Single Exposure**

Not expected to cause toxicity to a specific target organ.

**STOT - Repeated Exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

**Other Information****Dibutyl phthalate**

Chronic studies in rats and mice indicate that oral administration of Dibutyl phthalate causes liver damage and cancer. However, the mechanism for these effects is not considered relevant to humans.

## Section 12 - Ecological Information

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### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

### Persistence and degradability

Phthalate esters undergo >50% ultimate degradation within 28 days in standardised aerobic biodegradation tests with sewage sludge inocula. Biodegradation is expected to be the dominant loss mechanism in surface waters, soils and sediments.

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Log Octanol/Water Partition Coefficient: 4.6-4.9.

### 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 (Pimephales promelas): 0.92 mg/l/96h

### Acute Toxicity - Daphnia

EC50 (Daphnia magna): 3.4 mg/l/48h

### Hazardous to the Ozone Layer

This product is not expected to deplete the ozone layer.

## Section 13 - Disposal Considerations

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### 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.

To minimise personal exposure, refer to Section 8 - Exposure controls and personal protection.

## Section 14 - Transport Information

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### 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

### ADG U.N. Number

3082

### ADG Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Contains Dibutyl phthalate)

### ADG Transport Hazard Class

9

### ADG Packing Group

III

### Hazchem Code

•3Z

### IERG Number

47

**Special Precautions for User**

Not available

**IATA UN Number**

3082

**IATA Proper Shipping Name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Contains Dibutyl phthalate)

**IATA/ICAO Symbol**

Miscellaneous Dangerous Goods

**IATA Transport Hazard Class**

9

**IATA Packing Group**

III

**IMDG UN Number**

3082

**IMDG Proper Shipping Name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Contains Dibutyl phthalate)(Dibutyl phthalate) MARINE POLLUTANT

**IMDG Transport Hazard Class**

9

**IMDG Packing Group**

III

**IMDG EMS**

F-A,S-F

**IMDG Marine pollutant**

Yes

**Transport in Bulk**

Not available

**Section 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/AIIC)**

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

**Montreal Protocol**

Not Listed

**Stockholm Convention**

Not Listed

**Rotterdam Convention**

Not Listed

**International Convention for the Prevention of Pollution from Ships (MARPOL)**

Not available

**Agricultural and Veterinary Chemicals Act 1994**

Not applicable

**Basel Convention**

Not Listed

**Section 16 - Any Other Relevant Information**

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**Date of Preparation**

SDS Reviewed: August 2021, Supersedes: July 2016

**Literature 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.

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

#### **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. SST 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.

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