



SAFETY DATA SHEET

WAIKEN

Infosafe No.: X01E7

Version No.: 2.0

ISSUED Date : 4/08/2021

ISSUED by: SST NEW ZEALAND LIMITED

Section 1: Identification

Product Identifier

WAIKEN

Product Code

140010555

Company Name

SST NEW ZEALAND LIMITED

Address

119 Carbine Road, Mt Wellington, Auckland 1060
NEW ZEALAND

Telephone/Fax Number

Telephone: +64 9 2593777

Emergency Phone Number

0800 154 666

Email

regaffairs.anz@dksh.com

Recommended uses and any restrictions on use or supply

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

Section 2: Hazard identification

GHS classification of the substance/mixture

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, New Zealand.

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.

6.3A Substance that is irritating to the skin

6.4A Substance that is irritating to the eyes

6.8A Substance that is known or presumed to be a human reproductive or developmental toxicant

9.1A Substance that is very ecotoxic in the aquatic environment

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.

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/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. (0800 764 766)

Section 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, 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.

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

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

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.

SECTION 8: Exposure controls/personal protection

Occupational Exposure Limits (OEL)

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Dibutyl phthalate	NZ OELs List	TWA	5	mg/m ³	

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.

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 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.

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
Form	Liquid	Appearance	Clear yellow liquid
Colour	Yellow	Odour	Not available
Decomposition Temperature	Not available	Freezing Point	<0 °C
Boiling Point	Not available	Solubility in Water	Dispersible
Specific Gravity	0.97 (20 °C) (approximate)	pH	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	Volatile Component	Not available
Partition Coefficient: n-octanol/water	Not available	Flash Point	>150 °C (Open Cup)
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	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.

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.

Possibility of hazardous reactions

Reacts with strong oxidising agents.

Hazardous Polymerization

Not available

SECTION 11: Toxicological information

Toxicology Information

Toxicity data for material given below.

Acute Toxicity - Oral

LD50 (rat): 6300 mg/kg

Acute Toxicity - Inhalation

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

Acute Toxicity - Dermal

LD50 (rabbit): >4000 mg/kg

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

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

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.

Product Disposal:

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal.

Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.

Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Notice 2017. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

Container Disposal:

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.

Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

SECTION 14: Transport information

Transport Information

This material is classified as Dangerous Goods Class 9 Miscellaneous Dangerous Goods must not be loaded in the same freight container or on the same vehicle with:

Class 1: Explosives

Class 9 dangerous goods that contain organic matter must not be loaded in the same bulk container or tankwagon with dangerous goods of Division 5.1 unless the Class 9 and Division 5.1 dangerous goods are in separate compartments of a bulk container or tankwagon. Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices. Segregation devices may be used to segregate dangerous goods of Class 9 when the nature of those dangerous goods requires them to be segregated from dangerous goods of Class 3, 4, 5, 6 or 8 or from food items.

UN Number

3082

Proper Shipping Name

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

Hazard Class

9

Packing Group

III

Hazchem Code

•3Z

UN Number (Air Transport, ICAO)

3082

IATA/ICAO Proper Shipping Name

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

IATA/ICAO Hazard Class

9

IATA/ICAO Packing Group

III

IATA/ICAO Symbol

Miscellaneous Dangerous Goods

IMDG UN Number

3082

IMDG Proper Shipping Name

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

IMDG Hazard Class

9

IMDG Packing Group

III

IMDG Marine pollutant

Yes

IMDG EMS

F-A,S-F

Transport in Bulk

Not available

Special Precautions for User

Not available

SECTION 15: Regulatory information

Regulatory Information

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, New Zealand.
Group Standard: Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017.

HSNO Approval Number

HSR002503

New Zealand (NZIoC)

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

Tolerable exposure limit (TEL)

Not available

Environmental exposure limit (EEL)

Not available

Certified Handler

Not available

Tracking

Not required

Controlled Substance Licence Requirements

Not available

Montreal Protocol

Not Listed

Stockholm Convention

Not Listed

Rotterdam Convention

Not Listed

Agricultural Compounds, including Veterinary Medicines (ACVM)

Not available

SECTION 16: Other information

Date of preparation or last revision of SDS

SDS Reviewed: August 2021, Supersedes: July 2016

Literature References

Hazardous Substances and New Organisms Act 1996.

Health and Safety at Work (Hazardous Substances) Regulations 2017.

Workplace Exposure Standards and Biological Exposure Indices.

Agricultural Compounds and Veterinary Medicines Act 1997.

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.

Transport of Dangerous goods on land NZS 5433.

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).

Assigning a hazardous substance to a group standard.

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

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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END OF SDS

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