SAFETY DATA SHEET

According to Regulation (EU) 2020/878 Date of Issue: 20/02/2024
OLIVE TREE LIQUID FEED Version No. 1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Product Identifier: OLIVE TREE LIQUID FEED

1.2 Relevant uses of the substance or mixture and uses advised against:
Fertiliser for retail sale

1.3. Details of the supplier of the safety data sheet

GB/NI Vitax Limited, Owen Street, Coalville LE67 3DE

IRL Vitax (Ireland) Ltd, Block 3, Harcourt Centre, Harcourt Road, Dublin 2, D02 A339, Ireland
Tel: +44 (0)1530 510060 Email: info@vitax.co.uk

1.4 Emergency Contact: For the general public, in GB contact NHS 111/NHS 24 by dialling 111, in NI contact your local GP and in RoI call 01 809 2166
For product advice, Tel: +44 (0)1530 510060 (Office Hours)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION according to Directive EC 1272/2008 Classification, Labelling and Packaging
This mixture is not classified as dangerous to humans or the environment

Primary Hazard None.

2.2 Label Elements

Signal word n/a

Hazard statements n/a

Precautionary Statements n/a

EUH Statement EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3 Other hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Contains no components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Classification According to 1272/2008:	SCL M-factor ATE	Concentration [%]
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	613-167-00-5 Reg.nr.: 01-2120764691-48	Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330 Skin Corr. 1C, H314; Eye Dam. 1, H318 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1A, H317	Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 % M (acute) =100 M (chronic) =100	<0.0015

The full hazard information for individual components if not displayed in section 2 or 3 are displayed in Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remove from source of exposure to fresh air; seek medical attention.

Skin & Eye exposure Skin: Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.
Eyes: Rinse cautiously for several minutes, Remove contact lenses, if present and easy to do, rinse with clean water for 15 minutes. Seek medical attention if symptoms arise or persist.

Ingestion Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain medical attention if symptoms persist or develop.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed.

Information not available

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media Use foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should be chosen as appropriate for surrounding materials.

5.2 Special Hazards arising from the substance or mixture

Possible irritant fumes arising from combustion

5.3 Advice for fire-fighters Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified. Use personal protective equipment -appropriate coveralls and gloves -eye/face protection - appropriate respirator. Avoid contact with skin and eyes

6.2 Environmental Precautions Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) contact local water authority and inform the Environment Agency

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material such as sand and transfer to suitable container. Contact specialist waste disposal contractor.

6.4 Reference to other sections No reference necessary

SECTION 7. HANDLING AND STORAGE

7.1 Precaution for safe handling Avoid contact with skin and eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials.

7.3 Specific end use(s) No specific information available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Potassium nitrate:

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	20.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	36.7 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	12.5 mg/kg bodyweight
Long-term - systemic effects, inhalation	10.9 mg/m³
Long-term - systemic effects, dermal	12.5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.45 mg/l
PNEC aqua (marine water)	0.045 mg/l
PNEC aqua (intermittent, freshwater)	4.5 mg/l
PNEC (STP)	
PNEC sewage treatment plant	18 mg/l

8.2 Exposure controls

Goggles – Eye Protection: goggles/face shield to BS EN166.
Gloves – BS EN374 – chemical protection.
Respirators – BS approved protection device with P3 filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid

Colour	brown.
Odour	slight marine odour
Odour threshold	Not available
Melting point	Not applicable
Freezing point	Not available
Boiling point	Not available
Flammability	Not applicable
Explosion limits	Not available
Lower explosive limit (LEL)	Not available
Upper explosive limit (UEL)	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	4-6
Viscosity, kinematic	Not available
Solubility	soluble in water
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	Not available
Vapour pressure at 50 °C	Not available
Density	Not available
Relative density	1.12 -1.14
Relative vapour density @ 20°C	Not available
Particle size	Not applicable
Particle size distribution	Not applicable
Particle shape	Not applicable
Particle aspect ratio	Not applicable
Particle aggregation state	Not applicable
Particle agglomeration state	Not applicable
Particle specific surface area	Not applicable
Particle dustiness	Not applicable

9.2 Other Information

Explosive properties:	Non-applicable
Oxidising properties:	Non-applicable
Corrosive to metals:	Non-applicable
Heat of combustion:	Non-applicable

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	Unknown
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Information not available
10.4 Conditions to avoid	Extremes of temperature
10.5 Incompatible materials	None known
10.6 Hazardous decomposition products	Possible irritant fumes

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3

Toxicological information on hazardous ingredients:

Potassium nitrate

Acute toxicity:	Not classified (Based on available data, the classification criteria are not met)
LD50 oral rat	3750 mg/kg OECD Guideline 405
LD50 dermal rat	> 5000 mg/kg bw/day OECD Guideline 402
LC50 inhalation rat (mg/l)	> 0,527 mg/l/4h OECD Guideline 403
ATE (oral)	3750 mg/kg

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

LC50 inhalation rat (mg/l)	0.31 mg/l/4h OECD Guideline 403

Product

Acute toxicity:	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation:	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation:	Not classified (Based on available data, the classification criteria are not met)

Respiratory or skin sensitisation:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity:	Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure): Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure): Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard:	Not classified (Based on available data, the classification criteria are not met)

11.2 Information on other hazards

Endocrine disrupting properties	Contains no components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Potential Adverse human health effects and symptoms:
Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Product	Not classified as harmful to the environment.
Hazard to the aquatic environment (acute)	Not classified
Hazard to the aquatic environment (chronic)	Not classified

Potassium nitrate:
Ecology - general: Classification concerning the environment: not applicable.
Ecology - water: Mild water pollutant (surface water). Ground water pollutant.

Maximum concentration in drinking water:	50 mg/l (nitrate) (Directive 98/83/EC).
Not harmful to fishes (LC50 (96h)	>1000 mg/l).

Slightly harmful to invertebrates (Daphnia) (EC50 (48h): 100 - 1000 mg/l).
May cause eutrophication. Slightly harmful to plankton (EC50: 100 - 1000 mg/l).

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

LC50 Fish	0.58 mg/l Danio rerio (zebra fish).
EC50 crustacea	1.02 mg/l Daphnia (water flea).
EC50 72 hrs Algae	0.379mg/l EC50 Pseudokirchneriella subcapitata (green algae).

12.2 Persistence and degradability

Product	Information not available

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Persistence and degradability	Not readily biodegradable
12.3 Bioaccumulative potential	Information not available
12.4 Mobility in soil	Information not available
12.5 Results of PBT and vPvB:	Contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6. Endocrine disrupting properties	Contains no components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7. Other adverse effects	No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste treatment methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number:	Product is unclassified for transport
14.2 UN proper shipping name:	Product is unclassified for transport
14.3 Transport hazard:	Product is unclassified for transport
14.4 Packing group:	Product is unclassified for transport
14.5 Environmental hazards:	Product is unclassified for transport.
14.6 Special precautions for user:	Not specified

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
Applicable for Maritime bulk transport only. Check with carrier.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants
Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

National regulations	No additional information available
15.2 Chemical Safety Assessment	CSA not undertaken for this material.

SECTION 16. OTHER INFORMATION

Abbreviations and acronyms:

Acute Tox. 3	Acute toxicity Category 3
Acute Tox.2	Acute toxicity Category 2
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Serious eye irritation, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, Category 1A

Other Hazard Information assigned to individual ingredients, but not carried to final classification:

H301	Toxic if swallowed
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction
SDS information:	The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required. Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.