

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version 4.0

Revision: 15.05.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier****Trade name:** TRICO**Registration number** MAPP 18149**Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / mixture**

Repellent

Professional use

Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Kwizda Agro GmbH

Universitätsring 6, A-1010 Vienna

Further information obtainable from:

Manufacturing plant Kwizda Leobendorf, Tel: +43 (0) 59977 40

E-Mail: lw.leobdf@kwizda-agro.at

Emergency telephone number

London 24 Hour Emergency line - + 44 (0) 207 188 0100

UK Only Emergency line – 0870 600 6266

SECTION 2: Hazards identification**Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonised System (GHS).

Label elements**GHS label elements** The product is labelled in accordance with the national authorisation.**Hazard pictograms** void**Signal word** void**Hazard statements** void**Precautionary statements**

P102 Keep out of reach of children.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/ protective clothing.

P501 Dispose of contents/container to a licensed hazardous waste disposal contractor or collection and site except for empty triple rinsed containers which can be disposed of as non-hazardous waste.

Additional information:

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.

EUH210 Safety data sheet available on request.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Other hazards**Results of PBT and vPvB assessment**

The product 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.

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SECTION 3: Composition/information on ingredients

Chemical characterisation: Mixture**Description:** Emulsion (oil-in-water) based on 64.6 g/l sheep fat**Dangerous components:**

CAS: 55965-84-9 Index number: 613-167-00-5	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 Specific concentration limits: 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 %	< 0.0015%
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Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

Description of first aid measures**General information:** If you feel unwell, seek medical advice immediately (show the label where possible).**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Instantly wash with water and soap and rinse thoroughly.

If symptoms persist, seek medical advice.

After eye contact:

Rinse opened eye for several minutes under running water. Get medical advice if irritation persists.

After swallowing:

Rinse out mouth with plenty of water. If symptoms of indisposition persist, seek medical advice.

Most important symptoms and effects, both acute and delayed No further relevant information available.**Indication of any immediate medical attention and special treatment needed** Symptomatic treatment.

SECTION 5: Firefighting measures

Extinguishing media**Suitable extinguishing agents:**

The product itself is not combustible. Use fire extinguishing methods suitable to surrounding conditions.

Special hazards arising from the substance or mixture No further relevant information available.**Advice for firefighters****Protective equipment:**

Regarding the product no special protective equipment is necessary. Use protective equipment suitable to the situation.

Additional information Do not discharge extinguishing waters into surface water, groundwater and soil.

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Please notice instructions for person-related safety precautions, wear protective equipment (see 8.)

Avoid contact with skin and eyes.

Environmental precautions: Do not allow to enter sewers, surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid or universal binders, sawdust).

Collect for recovery or disposal in suitable receptacles.

Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional information: Never return spills in original containers for re-use.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

Precautions for safe handling

While handling pay attention to the usual precaution for chemicals.

Comply with instructions for use.

Do not eat, drink or smoke when using this product.

Do not breathe spray.

Avoid eye and skin contact with the product.

Wash concentrate from skin or eyes immediately.

Wash hands and exposed skin before eating and drinking and after work.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and receptacles:**

Keep in original container tightly closed, in a safe place.

Protect from frost.

Information about storage in one common storage facility:

Do not store food, beverages and animal feeding stuff in the storage area.

Further information about storage conditions: Keep out of the reach of children and domestic animals.

Recommended storage temperature: 0 °C to +30 °C

Specific end use(s) Use only according to instructions.

SECTION 8: Exposure controls/personal protection

Control parameters**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Avoid unnecessary contact with the product. Do not eat, drink or smoke at workplace and keep it tidy.

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Do not breathe spray.
Remove contaminated clothing and wash carefully before reuse.
Wash concentrate from skin or eyes immediately.
Wash hands and exposed skin before eating and drinking and after work.

Respiratory protection: Not necessary in compliance with instructions for use.

Hand protection

Rubber gloves (EN 374)

Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Goggles recommended during refilling.

Body protection Protective work clothing

Environmental exposure controls Do not allow to enter sewers/surface or ground water.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form:	Fluid
Colour:	Whitish milky
Odour:	Slightly rancid
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	Not applicable.
Lower and upper explosion limit:	Not determined
Flash point:	Not determinable (EEC A.9)
Auto-ignition temperature:	No data available.
Decomposition temperature:	Not determined.
pH:	≈ 7.9 (1% dilution, CIPAC MT 75.2)
Viscosity	
dynamic:	at 20 °C: 115.1 mPas (shear rate 5 s ⁻¹) to 23.4 mPas (shear rate 100 s ⁻¹) at 40 °C: 88.73 mPas (shear rate 5 s ⁻¹) to 19.28 mPas (shear rate 100 s ⁻¹) Method: OECD 114; CIPAC MT 192 29.3 mN/m (EEC A.5, OECD 115)
Surface tension at 25.1 °C:	
Solubility	
water:	Dispersible.
Partition coefficient, n-octanol/water:	No data available.
Vapour pressure:	No data available.
Relative density at 20 °C:	≈ 1.0 (EEC A.3, OECD 109)
Relative gas density	No data available.
Other information	
Explosive properties:	Contains no substances with explosive properties.

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Oxidising properties: Contains no substances with oxidising properties.
Information with regard to physical hazard classes Not relevant.

SECTION 10: Stability and reactivity

Reactivity No further relevant information available.
Chemical stability Stable at ambient temperature and under normal conditions of use.
Possibility of hazardous reactions No hazardous reactions known if used according to specifications.
Conditions to avoid Extreme temperatures and direct sun exposure.
Incompatible materials No further relevant information available.
Hazardous decomposition products No known hazardous reactions.

SECTION 11: Toxicological information

Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.
LD/LC50 values relevant for classification: There are no product specific data on toxicology available.
Skin corrosion/irritation Non irritant.
Serious eye damage/irritation Not irritant.
Respiratory or skin sensitisation
 The product contains a sensitising substance. Skin contact may cause allergic reactions.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.
Information on other hazards
Endocrine disrupting properties None of the ingredients is listed.

SECTION 12: Ecological information

Toxicity

Aquatic toxicity:

LC50/96h	> 100 mg/l (zebrafish, <i>Danio rerio</i>)
EC50/48h	> 100 mg/l (water flea, <i>Daphnia magna</i>)
ErC50/72h	> 100 mg/l (alga, <i>Selenastrum capricornutum</i>)
EbC50/72h	> 100 mg/l (alga, <i>Selenastrum capricornutum</i>)

Bees:

LD50/oral	> 63 µg a.s./bee (bee, <i>Apis mellifera</i>)
LD50/contact	> 63 µg a.s./bee (bee, <i>Apis mellifera</i>)
LD50/oral	> 100 µg a.s./larva (bee, <i>Apis mellifera</i>)

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LDD50/10d	> 111.1 µg a.s./bee/day (bee, <i>Apis mellifera</i>)
NOEDD	1.55 µg a.s./larva (bee, <i>Apis mellifera</i>)
Earthworms:	
LC50/14d	> 1,000 mg/kg soil (earthworm, <i>Eisenia foetida</i>)
NOEC/56d	500 mg/kg soil (earthworm, <i>Eisenia foetida</i>)

Further beneficials:

In extended laboratory tests with predatory mites (*Typhlodromus pyri*) and parasitic wasps (*Aphidius rhopalosiphi*) the product proved not to be harmful.

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment Not applicable.

Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

Waste treatment methods**Recommendation**

Do not dispose waste or remains together with domestic waste, do not empty into sink or toilet, hand over to hazardous waste disposers.

Uncleaned packaging**Recommendation:**

Rinse container thoroughly by using an integrated pressure rinsing device if available or manually rinse three times. Add washings into the spray tank at the time of filling and dispose of safely. Dispose of contents/ container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non hazardous waste.

Do not re-use container for any purpose.

SECTION 14: Transport information

UN number or ID number

ADR void

UN proper shipping name

ADR void

Transport hazard class(es)**ADR**

Class void

Packing group

ADR void

Environmental hazards:

not applicable

Special precautions for user

not required

Maritime transport in bulk according to IMO instruments

not applicable

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Trade name: TRICO**UN "Model Regulation":** void

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture**Seveso category** Not applicable.**National regulations:**

For further information please refer to the approval conditions laid down on the product label.

Specific provisions in terms of protecting people or the environment:

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Spray should be directed away from water and spray must not be allowed to fall within 1 m of the top of the bank of a static or flowing water body.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H301 Toxic if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
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.
EUH071 Corrosive to the respiratory tract.

Further information:

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008: On basis of product test data as well as properties of the active substance

Version number of previous version: 3.0**Abbreviations and acronyms:**

CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CAS: Chemical Abstracts Service (division of the American Chemical Society)
EC-Number: European Community number
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
M-factor: multiplying factor
LC50: lethal concentration, 50%
LD50: lethal dose, 50%
LDD50: median Lethal Dietary Dose
EC50: maximal effective concentration, 50%
EbC50: median effective concentration for biomass
ErC50: median effective concentration for growth rate (algae)
EEC: European Economic Community
NOEC: no observed effect concentration
NOEDD: No Observed Effect Dietary Dose
OECD: Organisation for Economic Co-operation and Development
PBT: persistent, bioaccumulative and toxic properties
vPvB: very persistent and very bioaccumulative properties
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 2: Acute toxicity – Category 2

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*Skin Corr. 1C: Skin corrosion/irritation – Category 1C**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Skin Sens. 1A: Skin sensitisation – Category 1A**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1***Data compared to the previous version altered: Section 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16**
