

Trade name : TREKU
Revision date : 17.12.2014
Date of print : 19.06.2015

Version (Revision) : 3.0.0 (2.0.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

TREKU

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Surface release agent

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

RMB GmbH

Street : Königstraße 3

Postal code/city : 32584 Löhne

Telephone : 05732 6880534

Telefax : 05732 9110061

Information contact : service@rmb-solutions.com

1.4 Emergency Telephone Number

< +49 5732 6880534 > during normal office hours

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

None

Classification according to Directive 67/548/EEC or 1999/45/EC

None

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures

EUH208

Contains LEMON, EXT. ; A MIXTURE 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.

2.3 Other hazards

None

SECTION 3: Composition/ information on ingredients

3.2 Mixtures

Hazardous ingredients

LEMON, EXT. ; REACH registration No. : 01-2119495512-35-XXXX ; EC No : 284-515-8; CAS No. : 84929-31-7

Weight fraction : < 0,25 %

Classification 67/548/EEC : R10 N ; R50/53 R43 Xn ; R65 Xi ; R38

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2- METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

Weight fraction : < 0,0015 %

Classification 67/548/EEC : N ; R50/53 T ; R23/24/25 C ; R34 R43

Classification 1272/2008 [CLP] : Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Acute Tox. 3 ; H331 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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General information

When in doubt or if symptoms are observed, get medical advice.

After inhalation

In case of respiratory tract irritation, consult a physician. Remove casualty to fresh air and keep warm and at rest.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink plenty of water. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water Foam. Extinguishing powder. Carbon dioxide (CO₂). Sand. Nitrogen. Extinguishing blanket

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon dioxide (CO₂). Carbon monoxide.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Wash with plenty of water. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

Keep/Store only in original container. Protect against Frost.

Hints on joint storage

Storage class (TRGS 510) : 12

7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type :	DNEL/DMEL (Worker, Local) (LEMON, EXT. ; CAS No. : 84929-31-7)
Exposure route :	Dermal
Exposure frequency :	Short-term (acute)
Limit value :	185,8 g/m ²
Limit value type :	DNEL/DMEL (Worker, Systemic) (LEMON, EXT. ; CAS No. : 84929-31-7)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	23,3 mg/m ³
Limit value type :	DNEL/DMEL (Worker, Systemic) (LEMON, EXT. ; CAS No. : 84929-31-7)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	6,67 mg/kg

8.2 Exposure controls

Personal protection equipment

Eye / face protection



Wear suitable safety goggles in case of splash.

Suitable eye protection

Safety goggles acc. EN 166.

Skin protection

Hand protection



Wear protective gloves in case of longer lasting skin contact.

Suitable gloves type : EN 374.

Suitable material : NBR (Nitrile rubber).

Breakthrough time (maximum wearing time) : 480 min.

Thickness of the glove material : 0.4 mm

Remark : The exact break trough time has to be requested from the protective glove manufacturer and limits has to be ensured.

Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values

Suitable respiratory protection apparatus

Combination filtering device (EN 14387)

Type : A

Remark

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

General health and safety measures

Do not put any product-impregnated cleaning rags into your trouser pockets. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. P362 - Take off contaminated clothing and wash before reuse. P264 - Wash hands thoroughly after handling.

8.3 Additional information

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : green

Odour : Lemon

Safety relevant basis data

Boiling temperature / boiling range :	(1013 hPa)	ca.	98 °C
Flash point :			not relevant
Lower explosion limit :			not relevant
Upper explosion limit :			not relevant
Vapour pressure :	(50 °C)		not relevant
Density :	(20 °C)	ca.	0,98 g/cm ³
pH value :		ca.	8,3
Maximum VOC content (EC) :			0 Wt %
Maximum VOC content (Switzerland) :			0 Wt %

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Exposure route :	Oral
Species :	Rat
Effective dose :	53 mg/kg
Parameter :	LD50 (LEMON, EXT. ; CAS No. : 84929-31-7)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Methode :	OECD 401

Acute dermal toxicity

Parameter :	ATEmix calculated
Exposure route :	Dermal
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

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Exposure route : Dermal
Species : Rabbit
Effective dose : 660 mg/kg
Parameter : LD50 (LEMON, EXT. ; CAS No. : 84929-31-7)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 10000 mg/kg
Methode : OECD 402

Acute inhalation toxicity

Parameter : ATEmix calculated
Exposure route : Inhalation
Effective dose : > 20 mg/l
Parameter : LC50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Exposure route : Inhalation
Species : Rat
Effective dose : 2,36 mg/l
Exposure time : 4 h

11.2 Toxicokinetics, metabolism and distribution

There are no data available on the preparation / mixture itself.

11.3 Other adverse effects

Has degreasing effect on the skin. Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

11.4 Additional information

Preparation not tested. The statement is derived from the properties of the single components.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 0,19 mg/l
Exposure time : 96 h
Parameter : LC50 (LEMON, EXT. ; CAS No. : 84929-31-7)
Species : Fish
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 0,3 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,16 mg/l
Exposure time : 48 h
Parameter : EC50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species : Algae
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 0,027 mg/l
Exposure time : 72 h

Acute (short-term) algae toxicity

Parameter : EC50 (LEMON, EXT. ; CAS No. : 84929-31-7)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,313 mg/l
Exposure time : 48 h

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Parameter : EC50 (LEMON, EXT. ; CAS No. : 84929-31-7)
Species : Algae
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 0,523 mg/l
Exposure time : 96 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

No information available.

12.7 Further ecological information

None

SECTION 13: Disposal considerations

The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes / waste designations according to EWC / AVV

Waste code product

12 01 99 - wastes not otherwise specified.

Waste code packaging

15 01 02 - plastic packaging.

Waste treatment options

Appropriate disposal / Package

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

13.2 Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

EU legislation

Other regulations (EU)

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Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

National regulations

AT: Labelling according to Austrian regulations (Chemikaliengesetz/ChemV).

CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations

VbF-Class : -

15.2 Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

03. Hazardous ingredients

16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOX: adsorbable organohalogenes

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

CLP: Classification Labelling and Packaging (Regulation (EC) No. 1272/2008)

EAK / AVV: europäischer Abfallschlüsselkatalog (european waste catalogue)

EINECS: European Inventory of Existing Commercial Chemical Substances

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

RCP: reciprocal calculation procedure

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

TRGS: Technische Regel für den Umgang mit Gefahrstoffen

VbF: Verordnung über brennbare Flüssigkeiten

VOC: volatile organic compound

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse (water hazardous class)

16.3 Key literature references and sources for data

DGUV: GESTIS-Stoffdatenbank

ECHA: Classification And Labelling Inventory

ECHA: Registered Substances

ECHA: Registered Substances

EC_Safety Data Sheet of Suppliers

ESIS: European Chemical Substances Information System

GDL: Gefahrstoffdatenbank der Länder

UBA Rigoletto: Wassergefährdende Stoffe

16.4 <> Relevant R-, H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
10	Flammable.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
38	Irritating to skin.
43	May cause sensitization by skin contact.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



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65 Harmful: may cause lung damage if swallowed.

16.5 <> Training advice

None

16.6 <> Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
