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SE	CTION 1: Identification of	f the substance/mixture and of the company/undertaking			
1.1	Product identifier				
	Trade name/designation				
	6510000	Kitchen degreaser			
	UFI:	F1U0-H0W9-T00T-8F3C			
1.2	Relevant identified uses o	f the substance or mixture and uses advised against			
	Relevant identified uses				
	Cleaning agent				
1.3	Details of the supplier of t	he safety data sheet			
	Supplier				
	AURO Pflanzenchemie AG				
	Alte Frankfurter Straße 211				
	38122 Braunschweig Germany	Telefax: +49 531 28141-72 E-mail: info@auro.de			
	Germany	Website: www.auro.de			
	Department responsible for	or information			
	E-mail (competent person)	msds@auro.de			
1.4	Emergency telephone nun	nber			
	Emergency telephone numb Only available during office				
SE	CTION 2: Hazards identi	fication			
2.1	Classification of the subst	ance or mixture			
	Classification according to	o Regulation (EC) No 1272/2008 [CLP]			
	The mixture is classified as	not hazardous according to regulation (EC) No 1272/2008 [CLP].			
2.2	Label elements				
	Labelling according to Re	gulation (EC) No. 1272/2008 [CLP]			
	Hazard pictograms				
	not applicable				
	Signal word				
	not applicable				
	Hazard statements				
	not applicable				
	Precautionary statements				
		not applicable			
	Hazard components for la	belling			
	not applicable				
	Supplemental hazard info				
	EUH208	Contains Lemongras Oil, Orange, sweet, ext., Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Citrus limonum, Rutaceae May produce an allergic reaction			
	EUH210	Safety data sheet available on request.			
2.3	Other hazards				
	The substances in the mixtu	re do not meet the PBT/vPvB criteria according to REACH, annex XIII.			
SE	CTION 3: Composition/in	nformation on ingredients.			
3.2	Mixtures				
	– • •				

Description

Hazardous ingredients

CAS No. EC No.	Substance name REACH No.	weight-%
Index No.	Classification according to Regulation (EC) No 1272/2008 [CLP]	

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64-17-5 200-578-6 603-002-00-5	ethanol; ethyl alcohol 01-2119457610-43-xxxx Flam. Liq. 2 H225 / Eye Irrit. 2 H319 Specific concentration limit (SCL) Eye Irrit. 2 H319: >= 50,00 ATE (oral): = 10,470 mg/kg ATE (dermal): > 2,000 mg/kg ATE (inhalative): = 124.7 mg/L (4 h) ATE (oral): = 10,470 mg/kg ATE (dermal): > 2,000 mg/kg ATE (dermal): > 2,000 mg/kg ATE (inhalative): = 124.7 mg/L (4 h)	3,00 < 5,00
584-08-7 209-529-3 -	Potassium carbonate 01-2119532646-36 Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / STOT SE 3 H335 ATE (oral): > 2,000 mg/kg ATE (inhalative): > 4.96 mg/L (4 h) ATE (dermal): > 2,000 mg/kg ATE (oral): > 2,000 mg/kg ATE (oral): > 2,000 mg/kg ATE (oral): > 2,000 mg/kg ATE (inhalative): > 4.96 mg/L (4 h) ATE (coral): > 2,000 mg/kg ATE (inhalative): > 4.96 mg/L (4 h) ATE (dermal): > 2,000 mg/kg	1,00 < 2,00
110615-47-9 600-975-8 -	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides 01-2119489418-23 Skin Irrit. 2 H315 / Eye Dam. 1 H318 ATE (oral): > 5,000 mg/kg ATE (oral): > 5,000 mg/kg	1,00 < 2,00
8028-48-6 232-433-8 -	Orange, sweet, ext. 01-2119493353-35-0003 Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Aquatic Chronic 2 H411 ATE (oral): > 5,000 mg/kg ATE (oral): > 5,000 mg/kg	2 0,300 < 0,500
84929-31-7 284-515-8 -	Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues etc., obtained from Citrus limonum, Rutaceae. 01-2119495512-35 Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Aquatic Chronic 2 H411 ATE (oral): = 5,200 mg/kg ATE (oral): = 5,200 mg/kg	
91844-92-7 295-161-9 -	Lemongras Oil 01-2120119366-58-0010 Asp. Tox. 1 H304 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Eye Dam. 1 H318 / Aquatic Chronic 2 H411 ATE (oral): = 4,960 mg/kg ATE (oral): = 4,960 mg/kg	2 0,100 < 0,150

Remark

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion



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If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO2), Powder, spray mist, (water)

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up

Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections

Safe handling: see section 7 Personal protection equipment: refer to section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. Personal protection equipment: see section 8 Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Storage class LGK12 - non-combustible liquids that cannot be assigned to any of the above storage classes



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Further information on storage conditions

Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3 Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

	CAS No.	Substance name	Source	Long-term /short-term (Spitzenbegrenzung)	
*	64-17-5	ethanol; ethyl alcohol	WEL	1,920 / - (-) mg/m³	

Additional information

Long-term: Long-term occupational exposure limit value short-term: short-term occupational exposure limit value

Biological limit values

No data available

DNEL worker

	CAS No.	Substance name	DNEL type	DNEL value
ł	64-17-5	ethanol; ethyl alcohol	Acute - inhalation, local effects	1,900 mg/m³
	64-17-5	ethanol; ethyl alcohol	Long-term - dermal, systemic effects	343 mg/kg bw
	64-17-5	ethanol; ethyl alcohol	Long-term – inhalation, systemic effects	950 mg/m³

DNEL Consumer

CAS No.	Substance name	DNEL type	DNEL value
64-17-5	ethanol; ethyl alcohol	Acute - inhalation, local effects	950 mg/m³
64-17-5	ethanol; ethyl alcohol	Long-term - dermal, systemic effects	206 mg/kg bw
64-17-5	ethanol; ethyl alcohol	Long-term – inhalation, systemic effects	114 mg/m³
64-17-5	ethanol; ethyl alcohol	Long-term - oral, systemic effects	87 mg/kg bw

PNEC

	CAS No.	Substance name	PNEC type	PNEC Value
*	64-17-5	ethanol; ethyl alcohol	aquatic, freshwater	0.96 mg/L
*	64-17-5	ethanol; ethyl alcohol	aquatic, marine water	0.79 mg/L
*	64-17-5	ethanol; ethyl alcohol	sediment, freshwater	3.6 mg/kg
*	64-17-5	ethanol; ethyl alcohol	soil	0.63 mg/kg
	64-17-5	ethanol; ethyl alcohol	sewage treatment plant	580 mg/L

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Personal protection equipment

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Suitable material: NBR (Nitrile rubber) Thickness of the glove material >= 0.4 mm Breakthrough time >= 480 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles:EN ISO 374

Skin protection



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	Barrier creams can help protecti	ng exposed skin areas. In no case should they be used after cont	
	Eye/face protection		
	Eye glasses with side protection	EN 166	
	Body protection		
		bstances, protective clothing with CE-labels including the four co	ntrol digits must be worn.
	Environmental exposure contr		
	Do not allow to enter into surface		
SE	CTION 9: Physical and cher	nical properties	
9.1	Information on basic physical	and chemical properties	
	Physical state	Liquid	
	Colour	refer to label	
	Odour	characteristic	
	рН	10.5	
	Melting point/freezing point	not determined	
	Initial boiling point and boiling ra	nge not determined	
	Flash point	not applicable	
	flammability	not applicable	
	Lower explosion limit at 20°C	not determined	
	Upper explosion limit at 20°C	not determined	
	Vapour pressure at 20°C	30.512 mbar	
	Relative vapour density	not applicable	
	Density at 20 °C	1.0 kg/l	
	Water solubility at 20°C	partially soluble	
	Partition coefficient: n-octanol/w	ater see section 12	
	Ignition temperature in °C	not determined	
	Decomposition temperature	not determined	
	Viscosity at 20 °C:	< 20 mm²/s	
92	Other information		

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures e.g.: Carbon dioxide (CO2), Carbon monoxide, smoke.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008



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	Acute toxicity		
	-	lata, the classification criteria are not met.	
*	D-Glucopyranose, o LD50: oral (Rat): > 5	bligomeric, C10-16-alkyl glycosides ,000 mg/kg	
*	LD50: oral (Rat): > 5	,000 mg/kg	
	Extractives and the	ir physically modified derivatives such as tinctures, concret	tes, absolutes, essential oils, oleoresins,
*		ree fractions, distillates, residues, etc., obtained from Citrus	
*	LD50: oral (Rat): = 5	,200 mg/kg	
*	Lemongras Oil LD50: oral (Rat): = 4	,960 mg/kg	
*	LD50: oral (Rat): = 4	,960 mg/kg	
*	Orange, sweet, ext. LD50: oral (Rat): > 5		
*	LD50: oral (Rat): > 5		
*	Potassium carbona LD50: oral (Rat): > 2		
*	LC50: inhalative (Ra		
*	LD50: dermal (Rabbi	, , , , , , , , , , , , , , , , , , , ,	
*	LD50: oral (Rat): > 2		
*	LC50: inhalative (Ra		
۲	LD50: dermal (Rabbi		
*	ethanol; ethyl alcoh LD50: oral (Rat): = 1	lol	
*	LD50: dermal (Rabbi		
*		t): = $124.7 \text{ mg/L} (4 \text{ h})$	
*	LD50: oral (Rat): = 1	,	
*	LD50: dermal (Rabbi		
*		t): = 124.7 mg/L (4 h)	
	Skin corrosion/irrita		
		lata, the classification criteria are not met.	
	<u>Serious eye damag</u>		
	Based on available d	lata, the classification criteria are not met.	
	Respiratory or skin	<u>sensitisation</u>	
	Based on available o	lata, the classification criteria are not met.	
*	Overall assessment	t on CMR properties	
	Based on available o	lata, the classification criteria are not met.	
	STOT-single expos	<u>ure</u>	
	Based on available d	lata, the classification criteria are not met.	
	STOT-repeated exp	<u>osure</u>	
	Based on available d	lata, the classification criteria are not met.	
	Aspiration hazard		
	Based on available d	lata, the classification criteria are not met.	
	Practical experienc	e/human evidence	
	respiratory organs, a Dizziness, fatigue, ar effects through skin i	omponents above the MWC-value can lead to health damage, e. s well as damage to the liver, kidneys and the central nerve syst myosthenia, Dizziness, in serious cases: unconsciousness. Solv resorption. Repeated or prolonged contact with the preparation n allergic contact dermatitis and/or absorption through skin. Splas	tem. Indications for this are: Headache, vents may cause some of the aforementioned may cause removal of natural fat from the

damage. 11.2 Information on other hazards



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Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met.

 Acute (short-term) fish toxicity
 * D-Glucopyranose, oligomeric, C10-16-alkyl glycosides LC50: (Danio rerio (zebrafish)): = 5.9 mg/L (96 h)

Orange, sweet, ext.

LC50: (Pimephales promelas (fathead minnow)): = 0.7 mg/L (96 h) Method: OECD 203

Potassium carbonate

LC50: (Oncorhynchus mykiss (Rainbow trout)): = 68 mg/L (96 h)

* NOEC (Oncorhynchus mykiss (Rainbow trout)): = 33 mg/L (96 h)

Acute (short-term) toxicity to algae and cyanobacteria D-Glucopyranose, oligomeric, C10-16-alkyl glycosides EC50 (Scenedesmus subspicatus): = 25 mg/L (72 h)

Orange, sweet, ext.

ErC50: (Desmodesmus subspicatus): = 150 mg/L (72 h) Method: OECD 201

Acute (short-term) toxicity to crustacea D-Glucopyranose, oligomeric, C10-16-alkyl glycosides EC50 (Daphnia magna (Big water flea)): = 14 mg/L (48 h)

* Lemongras Oil

EL50: = 4.2 mg/L (48 h)

Orange, sweet, ext.

EC50 (Daphnia magna (Big water flea)): = 0.67 mg/L (48 h) Method: OECD 202

Potassium carbonate

EC50 (Daphnia pulex (water flea)): = 200 mg/L (48 h)

NOEC (Daphnia pulex (water flea)): = 120 mg/L (48 h)

12.2 Persistence and degradability

Orange, sweet, ext. Biodegradation = 72 % (28 d)

12.3 Bioaccumulative potential

- * Partition coefficient: n-octanol/water >= 4 (Orange, sweet, ext.)
- Partition coefficient: n-octanol/water >= 3 (Lemongras Oil)
- Partition coefficient: n-octanol/water < -0.07 (D-Glucopyranose, oligomeric, C10-16-alkyl glycosides)
- * Partition coefficient: n-octanol/water = -0.35 (ethanol; ethyl alcohol)
- Partition coefficient: n-octanol/water >= 4 (Extractives and their physically modified derivatives such as tinctures, concretes,
 absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Citrus limonum, Rutaceae.)

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations



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13.1 Waste treatment methods

Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/ EC, covering waste and dangerous waste.

Waste codes/waste designations according to EWC/AVV

200129* - Detergents containing hazardous substances

Other disposal recommendations

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1 UN number or ID number

not applicable

14.2 UN proper shipping name

Land transport (ADR/RID)

No dangerous good in sense of these transport regulations.

Sea transport (IMDG)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

not applicable

14.4 Packing group not applicable

14.5 Environmental hazards

Land transport (ADR/RID) Sea transport (IMDG)

not applicable not applicable

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID) not applicable Sea transport (IMDG) not applicable Air transport (ICAO-TI / IATA-DGR) not applicable

SECTION 15: Regulatory information

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

EU legislation

Restrictions of occupation

* Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.
 Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC value: 43 g/l

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive] Hazard categories / Named dangerous substances

This product is not classified according to Directive 2012/18/EU.

National regulations

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Observe in addition any national regulations!

15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

REACH No.	Substance name	CAS No. EC No.
01-2119489418-23	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9 600-975-8
01-2119495512-35	Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Citrus limonum, Rutaceae.	84929-31-7 284-515-8
01-2120119366-58-0010	Lemongras Oil	91844-92-7 295-161-9
01-2119493353-35-0003	Orange, sweet, ext.	8028-48-6 232-433-8
01-2119532646-36	Potassium carbonate	584-08-7 209-529-3
01-2119457610-43-xxxx	ethanol; ethyl alcohol	64-17-5 200-578-6

SECTION 16: Other information

List of relevant hazard statements and/or precautionary statements from sections 2 to 15

	• •	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H335	May cause respiratory irritation.	
H411	Toxic to aquatic life with long lasting effects.	

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

not applicable

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

OEL: Occupational Exposure Limit Value

BLV: Biological limit values

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging

CMR: Carcinogenic, Mutagenic and Reprotoxic

DIN: German Institute for Standardization / German industrial standard

DNEL: Derived No-Effect Level

EAKV: European Waste Catalogue Directive

EC: Effective Concentration

EC: European Community

EN: European Standard

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG Code: International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

LC: Lethal Concentration

LD: Lethal Dose

MWC: Maximum wokplace concentration

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OECD: Organisation for Economic Cooperation and Development

PBT: persistent, bioaccumulative, toxic

PNEC: Predicted No Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

Indication of changes

Print date 07-Mar-2024

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* Data changed compared with the previous version.