

FRESH LEMON 12 X 400 ML WEST

WM 0713075

Order number: 0713075

Version 4.0

Revision Date 27.09.2022

Print Date 19.10.2022

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

1.1 Product identifier

Trade name : FRESH LEMON 12 X 400 ML WEST
UFI :

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

Use of the Substance/Mixture : Fragrances

Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Tana Chemie GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196403
Telefax : +4961319642414
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone number

112

Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342

+49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable aerosols, Category 1	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3	H336: May cause drowsiness or dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms

:



Signal word

: Danger

Hazard statements

: H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

: P102 Keep out of reach of children.
Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing spray.
P271 Use only outdoors or in a well-ventilated area.
Storage:
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

propan-2-ol
(R)-p-mentha-1,8-diene
 α -hexylcinnamaldehyde
citral

Safety data sheet available on request.

2.3 Other hazards

Warning! Container under pressure.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Alcoholic solution
contains
Propellant

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
ethanol	ALCOHOL 200-578-6 603-002-00-5	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 10 - < 20



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	01-2119457610-43	specific concentration limit Eye Irrit. 2; H319 >= 50 %	
propan-2-ol	ISOPROPYL ALCOHOL 200-661-7 603-117-00-0 01-2119457558-25	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system)	>= 1 - < 10
(R)-p-mentha-1,8-diene	5989-27-5 227-813-5 601-029-00-7 01-2119529223-47	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Aquatic Chronic 1; H410 Aquatic Acute 1; H400 Asp. Tox. 1; H304 Skin Sens. 1B; H317 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0,1 - < 0,25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Protect unharmed eye.
If easy to do, remove contact lens, if worn.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Allergic reactions
Irritation

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Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known
No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations.
Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
For personal protection see section 8.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Container may be opened only under exhaust ventilation hood.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Do not spray on a naked flame or any incandescent material. Take measures to prevent the build up of electrostatic charge.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in original container. Store in cool place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. Store at room temperature in the original container.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : Fragrances

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

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8.2 Exposure controls

Personal protective equipment

- Eye protection : not required under normal use
- Hand protection
- Material : not required under normal use
- Material : For prolonged or repeated contact use protective gloves.
It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.
- Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
- Skin and body protection : not required under normal use
- Respiratory protection : Ensure adequate ventilation, especially in confined areas.
In case of insufficient ventilation, wear suitable respiratory equipment.
Recommended Filter type:
ABEK-P3-filter

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : aerosol
- Colour : colourless, light yellow
- Odour : odourized, fruity
- Odour Threshold : No data available
- pH : No data available
- Melting point/range : No data available
- Boiling point/boiling range : No data available
- Flash point : -39,99 °C
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Flammability (liquids) : No data available
- Burning rate : No data available
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Vapour pressure : No data available

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Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 0,625 g/cm ³
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Our company is strongly against animal testing.
Our company does not place any orders for animal testing for the finished product or the ingredients.
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

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Acute toxicity

Acute toxicity : Not Rated

Components:

ethanol

ALCOHOL:

Acute oral toxicity : LD50 Oral (Rat): 10.470 mg/kg
Method: OECD Test Guideline 401

LD50 (Rat): 5.000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 51 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): > 10.000 mg/kg
Method: OECD Test Guideline 402

propan-2-ol

ISOPROPYL ALCOHOL:

Acute oral toxicity : LD50 Oral (Rat): 5.840 mg/kg
Method: OECD Test Guideline 401

LD50 Oral (Rat): 4.570 mg/kg

LD50 Oral (Rat): 5.045 mg/kg

Acute inhalation toxicity : LC50 (Rat, female): 47,5 mg/l
Exposure time: 8 h
Method: OECD Test Guideline 403

LC50 (Rat): 72,6 mg/l
Exposure time: 4 h

LC50 (Mouse): 27,2 mg/l
Exposure time: 4 h

LC50 (Rat): 25 mg/l
Exposure time: 6 h
Method: OECD Test Guideline 403

LC50 (Rat): 30 mg/l
Exposure time: 4 h

LC50 (Rat): 10000 ppm
Exposure time: 6 h

Acute dermal toxicity : LD50 (Rabbit): 12.800 mg/kg
Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): 12.870 mg/kg
Method: OECD Test Guideline 402

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LD50 Dermal (Rabbit): 13.900 mg/kg
Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): 13.400 mg/kg

(R)-p-mentha-1,8-diene

5989-27-5:

Acute oral toxicity : LD50 (Rat): 4.400 mg/kg
LD50 (Mouse): 5.600 mg/kg
LD50 (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50: > 100 mg/l

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

Skin corrosion/irritation

Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Components:

ethanol

ALCOHOL:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

propan-2-ol

ISOPROPYL ALCOHOL:

Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation

Product:

Remarks : Causes serious eye irritation.

Components:

ethanol

ALCOHOL:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Mild eye irritation

propan-2-ol

ISOPROPYL ALCOHOL:

Species : Rabbit
Result : irritating

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Respiratory or skin sensitisation

Product:

Remarks : Causes sensitisation.

Components:

ethanol

ALCOHOL:

Species : Mouse
Method : see user defined free text
Result : Does not cause skin sensitisation.

propan-2-ol

ISOPROPYL ALCOHOL:

Test Type : Buehler Test
Species : Guinea pig
Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Germ cell mutagenicity : Not Rated

Components:

propan-2-ol

ISOPROPYL ALCOHOL:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

ethanol

ALCOHOL:

Species : Rat, male
NOAEL : > 20 mg/kg
Method : OECD Test Guideline 403

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Species	:	Rat, female
NOAEL	:	1.730 mg/kg
Method	:	OECD Test Guideline 408

Aspiration toxicity	:	Not Rated
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11.2 Information on other hazards

Further information

Product:

Remarks	:	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.
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SECTION 12: Ecological information

12.1 Toxicity

Components:

ethanol

64-17-5:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l Exposure time: 96 h Method: OECD Test Guideline 203 LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l Exposure time: 48 h LC50 (Pimephales promelas (fathead minnow)): > 0,1 g/l Exposure time: 96 h LC50 (Fish): 11.200 mg/l
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 12.340 mg/l Exposure time: 48 h EC50 : 5.012 mg/l
Toxicity to algae	:	EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201 EC50 (Scenedesmus capricornutum (fresh water algae)): 12.900 mg/l Exposure time: 48 h Test Type: Growth inhibition Method: No information available. EC0 (Scenedesmus quadricauda (Green algae)): 5.000 mg/l Exposure time: 168 h EC50 : 4.432 mg/l

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	EC10 : 11,5 mg/l
	EC10 : 280 mg/l
Toxicity to bacteria	: EC50 (<i>Pseudomonas putida</i>): 11.800 mg/l Exposure time: 16 h Test Type: Cell multiplication inhibition test
propan-2-ol 67-63-0:	
Toxicity to fish	: LC50 (<i>Lepomis macrochirus</i> (Bluegill sunfish)): 1.400 mg/l Exposure time: 96 h LC50 (<i>Pimephales promelas</i> (fathead minnow)): 9.640 mg/l Exposure time: 96 h LC50 (<i>Leuciscus idus</i> (Golden orfe)): > 100 mg/l Exposure time: 48 h Test Type: static test GLP: no
Toxicity to daphnia and other aquatic invertebrates	: EC50 (<i>Daphnia magna</i> (Water flea)): 13.299 mg/l Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 EC50 (<i>Daphnia magna</i> (Water flea)): 9.714 mg/l Exposure time: 24 h EC50 (<i>Daphnia magna</i> (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test GLP: no (<i>Daphnia</i> (water flea)): > 10.000 mg/l Method: OECD Test Guideline 202 NOEC (<i>Daphnia magna</i> (Water flea)): 30 mg/l Exposure time: 21 d EC50 (<i>Daphnia magna</i> (Water flea)): 10.000 mg/l Exposure time: 48 h
Toxicity to algae	: IC50 (<i>Desmodesmus subspicatus</i> (green algae)): > 1.000 mg/l Exposure time: 72 h Test Type: Growth inhibition EC50 (<i>Pseudokirchneriella subcapitata</i> (microalgae)): > 100 mg/l Exposure time: 72 h Test Type: static test GLP: no ErC50 (<i>Pseudokirchneriella subcapitata</i> (green algae)): > 1.000 mg/l Exposure time: 72 h EC50 (<i>Scenedesmus subspicatus</i>): > 100 mg/l Exposure time: 72 h Test Type: static test

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Toxicity to bacteria	: EC50 (<i>Aliivibrio fischeri</i>): 17.700 mg/l Exposure time: 5 min GLP:
	EC10 (<i>Pseudomonas putida</i>): 5.175 mg/l Exposure time: 18 h Method: DIN 38412 GLP:
(R)-p-mentha-1,8-diene 5989-27-5:	
Toxicity to fish	: LC50 (<i>Leuciscus idus</i> (Golden orfe)): 34 mg/l LC50 (<i>Pimephales promelas</i> (fathead minnow)): 0,7 mg/l
Toxicity to daphnia and other aquatic invertebrates	: EC50 (<i>Daphnia pulex</i> (Water flea)): 70 mg/l Exposure time: 48 h EC50 (<i>Daphnia magna</i> (Water flea)): 0,4 mg/l Exposure time: 48 h
Toxicity to algae	: NOEC (<i>Selenastrum capricornutum</i> (green algae)): 4 mg/l Exposure time: 96 h
M-Factor (Short-term (acute) aquatic hazard)	: 1
M-Factor (Long-term (chronic) aquatic hazard)	: 1

12.2 Persistence and degradability

Components:

ethanol

64-17-5:

Biodegradability	: Result: Readily biodegradable. Biodegradation: 97 % Method: OECD Test Guideline 301
------------------	---

propan-2-ol

67-63-0:

Biodegradability	: Result: rapidly biodegradable Biodegradation: 95 % Exposure time: 21 d Method: OECD 301 E Inoculum: activated sludge Result: rapidly biodegradable Biodegradation: 53 % Exposure time: 5 d Result: rapidly biodegradable Biodegradation: > 70 % Exposure time: 10 d GLP: no Biodegradation: 99,9 % Method: see user defined free text
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Chemical Oxygen Demand (COD)	: 2,32 g/kg
ThOD	: 2,40 g/g
(R)-p-mentha-1,8-diene	
5989-27-5:	
Biodegradability	: Result: Readily biodegradable. Biodegradation: 71 % Exposure time: 28 d Method: OECD 301 B GLP: yes

12.3 Bioaccumulative potential

Components:

ethanol

64-17-5:

Bioaccumulation	: Concentration: 3,2 mg/l
Partition coefficient: n-octanol/water	: log Pow: -0,32

propan-2-ol

67-63-0:

Bioaccumulation	: Bioconcentration factor (BCF): 3
Remarks: No bioaccumulation is to be expected (log Pow <= 4).	
Partition coefficient: n-octanol/water	: log Pow: 0,05

12.4 Mobility in soil

Components:

ethanol

64-17-5:

Distribution among environmental compartments	: Koc: 1Remarks: Highly mobile in soils
---	---

propan-2-ol

67-63-0:

Distribution among environmental compartments	: Koc: 25Remarks: Highly mobile in soils
---	--

12.5 Results of PBT and vPvB assessment

Components:

propan-2-ol

67-63-0:

Assessment	: This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..
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12.6 Other adverse effects

Product:

Additional ecological information	: An environmental hazard cannot be excluded in the event of
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unprofessional handling or disposal., Harmful to aquatic organisms,
may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- | | |
|------------------------|--|
| Product | : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
In accordance with local and national regulations. |
| Contaminated packaging | : Empty remaining contents.
Empty pressure vessels should be returned to the supplier.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum. |

SECTION 14: Transport information

14.1 UN number

- | | |
|------|--------|
| ADR | : 1950 |
| IMDG | : 1950 |
| IATA | : 1950 |

14.2 Proper shipping name

- | | |
|------|-----------------------|
| ADR | : AEROSOLS |
| IMDG | : AEROSOLS |
| IATA | : Aerosols, flammable |

14.3 Transport hazard class

- | | |
|------|-------|
| ADR | : 2 |
| IMDG | : 2.1 |
| IATA | : 2.1 |

14.4 Packing group

- | | |
|-------------------------|-----------------------|
| ADR | |
| Classification Code | : 5F |
| Labels | : 2.1 |
| Tunnel restriction code | : (D) |
| IMDG | |
| Labels | : 2.1 |
| EmS Number | : F-D, S-U |
| IATA | |
| (Cargo) | : Aerosols, flammable |
| Labels | : 2.1 |

14.5 Environmental hazards

- | | |
|---------------------------|------|
| ADR | |
| Environmentally hazardous | : no |
| IMDG | |
| Marine pollutant | : no |
| IATA | |
| Environmentally hazardous | : no |



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14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

For personal protection see section 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : BUTANE

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P3a	FLAMMABLE AEROSOLS	150 000067	500 000067

TA Luft List (Germany) :

- Total dust: Not applicable
- Inorganic substances in powdered form: Not applicable
- Inorganic substances in vapour or gaseous form: Not applicable
- Organic Substances: Not applicable
- Carcinogenic substances: Not applicable
- Mutagenic: Not applicable
- Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 99,1 %

according to Detergents Regulation EC 648/2004 : >=30% aliphatic hydrocarbons, Perfumes, LIMONENE

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

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.
H319 : Causes serious eye irritation.
H336 : May cause drowsiness or dizziness.



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H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Asp. Tox. : Aspiration hazard
Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation
STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Flam. Aerosol 1	H222, H229
Skin Sens. 1	H317
Eye Irrit. 2	H319
STOT SE 3	H336

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REG_EU / EN

FRESH LEMON 12 X 400 ML WEST

WM 0713075

Order number: 0713075

Version 4.0

Revision Date 27.09.2022

Print Date 19.10.2022

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