



Safety Data Sheet CRYSTALE DISHW.FRESH.LEMON 1PC

Safety Data Sheet dated 27/4/2023, version 1

Conforms to Regulation (EC) No. 878/2020

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

1.1. Product identifier

Trade name: CRYSTALE DISHW.FRESH.LEMON 1PC
Trade code: 6831

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

Recommended use:

Household dishwasher air-freshener

Uses advised against:

Do not use the product other than as directed by the supplier

1.3. Details of the supplier of the safety data sheet

Company:

RE.LE.VI. S.p.A. - Via Postumia n.1- 46040 RODIGO Mantova - Italia

Phone +39.0376.684011 - FAX +39.0376.658076

www.relevi.it - info@relevi.it

Competent person responsible for the safety data sheet:

sds@relevi.it

1.4. Emergency telephone number

24 hour poisons information in the UK: 0344 892 0111

NHS 111

Company +39 0376 780632 (24/24h - 7/7d - Italian/English)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local regulations.

Special Provisions:



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

EUH208 Contains Cineole. May produce an allergic reaction.
EUH208 Contains undecenal. May produce an allergic reaction.
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration \geq 0.1%

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
\geq 30% - < 40%	Dipropylene glicol monomethylether	CAS: 34590-94-8 EC: 252-104-2 REACH No.: 01-2119450011-60	Substance with a Union workplace exposure limit.
\geq 12,5% - < 15%	benzyl acetate	CAS: 140-11-4 EC: 205-399-7 REACH No.: 01-2119638272-42	4.1/C3 Aquatic Chronic 3 H412 Acute Toxicity Estimate: ATE - Oral 2490 mg/kg bw
\geq 7,5% - < 10%	DIETHYL MALONATE	CAS: 105-53-3 EC: 203-305-9	⚠ 3.3/2 Eye Irrit. 2 H319
\geq 2,5% - < 5%	1-DECANAL	CAS: 112-31-2 EC: 203-957-4 REACH No.: 01-2119967771-26	⚠ 3.3/2 Eye Irrit. 2 H319 4.1/C3 Aquatic Chronic 3 H412 Acute Toxicity Estimate: ATE - Oral 33320 mg/kg bw ATE - Dermal 4173 mg/kg bw
\geq 2,5% - < 5%	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen	Index number: 649-327-00-6 CAS: 64742-48-9 EC: 265-150-3 REACH No.: 01-2119486659-16	⚠ 3.10/1 Asp. Tox. 1 H304 DECLP (CLP)*
\geq 1% - < 2,5%	3,7-Dimethyl-2,6-nonadienenitrile	CAS: 61792-11-8 EC: 263-214-5 REACH No.: 01-	Unst. Expl. ⚠ 4.1/C2 Aquatic Chronic 2 H411



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

			2119967769 -11	
>= 1% - < 2,5%	3,5,5-trimethylhexyl acetate	CAS: EC: REACH No.:	58430-94-7 261-245-9 01- 2119972325 -34	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 4.1/C2 Aquatic Chronic 2 H411 Acute Toxicity Estimate: ATE - Oral 4250 mg/kg bw ATE - Dermal 5000 mg/kg bw
>= 1% - < 2,5%	DIHYDRO MYRCENOL	CAS: EC: REACH No.:	18479-58-8 242-362-4 01- 2119457274 -37	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 Acute Toxicity Estimate: ATE - Oral 3600 mg/kg bw
>= 0,25% - < 0,5%	Cineole	CAS: EC: REACH No.:	470-82-6 207-431-5 01- 2119967772 -24	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.4.2/1B Skin Sens. 1B H317 Acute Toxicity Estimate: ATE - Oral 2480 mg/kg bw ATE - Dermal 2000 mg/kg bw
>= 0,1% - < 0,25%	undecenal	CAS: EC: REACH No.:	1337-83-3 215-656-5 01- 2120065933 -50	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.4.2/1B Skin Sens. 1B H317 4.1/C3 Aquatic Chronic 3 H412

*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

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

Treatment:

None

SECTION 5: Firefighting measures

6831/1

Page n. 3 of 14



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

- 5.1. Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO₂).
Extinguishing media which must not be used for safety reasons:
None in particular.
- 5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
Hazardous combustion products:
- 5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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
For non emergency personnel:
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
For emergency responders:
Wear personal protection equipment.
- 6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
- 6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
None in particular
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s)



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Dipropylene glycol monomethylether - CAS: 34590-94-8

EU - TWA(8h): 308 mg/m³, 50 ppm - Notes: Skin

ACGIH - TWA(8h): 50 ppm - Notes: Liver & CNS eff

benzyl acetate - CAS: 140-11-4

ACGIH - TWA(8h): 10 ppm - Notes: A4 - URT irr

VLA-ED - TWA: 62 mg/m³, 10 ppm

DNEL Exposure Limit Values

Dipropylene glycol monomethylether - CAS: 34590-94-8

Worker Professional: 283 mg/kg - Consumer: 121 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Professional: 308 mg/kg - Consumer: 37.2 mg/m³ - Exposure: Human Inhalation

- Frequency: Long Term, systemic effects

Consumer: 36 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

benzyl acetate - CAS: 140-11-4

Worker Professional: 21.9 mg/m³ - Consumer: 5.5 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 43.8 mg/m³ - Consumer: 11 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 6.25 mg/kg - Consumer: 3.125 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Professional: 12.5 mg/kg - Consumer: 6.25 mg/kg - Exposure: Human Dermal -

Frequency: Short Term, systemic effects

Consumer: 3.125 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

1-DECANAL - CAS: 112-31-2

Worker Professional: 24.86 mg/cm³ - Consumer: 6.13 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 49.71 mg/m³ - Consumer: 12.26 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 7.05 mg/kg - Consumer: 3.52 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Professional: 14.1 mg/kg - Consumer: 7.05 mg/kg - Exposure: Human Dermal -

Frequency: Short Term, systemic effects

Consumer: 3.52 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

3,7-Dimethyl-2,6-nonadienenitrile - CAS: 61792-11-8

Worker Professional: 5.29 mg/m³ - Consumer: 1.3 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 10.58 mg/m³ - Consumer: 2.61 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 1.5 mg/kg - Consumer: 0.75 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Professional: 3 mg/kg - Consumer: 1.5 mg/kg - Exposure: Human Dermal -

Frequency: Short Term, systemic effects

Consumer: 0.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

effects

3,5,5-trimethylhexyl acetate - CAS: 58430-94-7

Worker Professional: 0.94 mg/m³ - Consumer: 0.23 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 0.13 mg/kg - Consumer: 0.07 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

DIHYDRO MYRCENOL - CAS: 18479-58-8

Worker Professional: 73.5 mg/m³ - Consumer: 21.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 20.8 mg/kg - Consumer: 12.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/ giorno

Consumer: 21.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 12.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/giorno

Consumer: 12.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/giorno

Cineole - CAS: 470-82-6

Worker Industry: 2 mg/kg - Consumer: 1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 7.05 mg/m³ - Consumer: 1.74 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 600 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Dipropylene glycol monomethylether - CAS: 34590-94-8

Target: Fresh Water - Value: 19 mg/l

Target: Marine water - Value: 1.9 mg/l

Target: wastewater treatment plant - Value: 4168 mg/l

Target: Freshwater sediments - Value: 70.2 mg/kg

Target: Marine water sediments - Value: 2.74 mg/kg

benzyl acetate - CAS: 140-11-4

Target: Fresh Water - Value: 0.004 mg/l

Target: Marine water - Value: 0.0004 mg/l

Target: wastewater treatment plant - Value: 8.55 mg/l

Target: Freshwater sediments - Value: 0.114 mg/kg

Target: Marine water sediments - Value: 0.0114 mg/kg

1-DECANAL - CAS: 112-31-2

Target: Fresh Water - Value: 0.00117 mg/l

Target: Freshwater sediments - Value: 0.097 mg/kg

Target: Marine water - Value: 0.000117 mg/l

Target: Marine water sediments - Value: 0.00972 mg/kg

Target: wastewater treatment plant - Value: 3.16 mg/l

3,7-Dimethyl-2,6-nonadienenitrile - CAS: 61792-11-8

Target: Fresh Water - Value: 0.0024 mg/l

Target: Freshwater sediments - Value: 0.248 mg/kg

Target: Marine water - Value: 0.00024 mg/l

Target: Marine water sediments - Value: 0.025 mg/kg

Target: wastewater treatment plant - Value: 0.9 mg/l

3,5,5-trimethylhexyl acetate - CAS: 58430-94-7

Target: Fresh Water - Value: 7.7 µg/l

Target: Marine water - Value: 0.77 µg/l

Target: Freshwater sediments - Value: 2.895 mg/kg

Target: Marine water sediments - Value: 0.29 mg/kg

Target: Soil - Value: 0.573 mg/kg

DIHYDRO MYRCENOL - CAS: 18479-58-8

Target: Fresh Water - Value: 0.0278 mg/l

Target: Marine water - Value: 0.00278 mg/l

Target: Soil (agricultural) - Value: 0.594 mg/kg

Target: Marine water sediments - Value: 0.0594 mg/kg

Cineole - CAS: 470-82-6

Target: Fresh Water - Value: 57 µg/l



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

Target: Marine water - Value: 5.7 µg/l
Target: Freshwater sediments - Value: 1.425 mg/kg
Target: Marine water sediments - Value: 0.1425 mg/kg
Target: Soil - Value: 0.25 mg/kg

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Blue - Yellow	--	--
Odour:	Citrus	--	--
Melting point/freezing point:	Not available	--	--
Boiling point or initial boiling point and boiling range:	Not available	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	Not available	--	--
Flash point:	Not available	--	--
Auto-ignition temperature:	Not available	--	--
Decomposition temperature:	Not available	--	--
pH	--	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	Insoluble	--	--
Solubility in oil:	Not available	--	--



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

Partition coefficient n-octanol/water (log value):	Not available	--	--
Vapour pressure:	Not available	--	--
Density and/or relative density:	Not available	--	--
Relative vapour density:	Not available	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

CRYSTALE DISHW.FRESH.LEMON 1PC

- a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
- c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
- d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
- f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

- g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
- h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
- j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Dipropylene glycol monomethylether - CAS: 34590-94-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5130 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 19000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 3404.47 mg/l

benzyl acetate - CAS: 140-11-4

a) acute toxicity

ATE - Oral 2490 mg/kg bw

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 2490 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 0.77 mg/l - Duration: 8h

DIETHYL MALONATE - CAS: 105-53-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 6400 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 16900 mg/kg

f) carcinogenicity:

Test: Mutagenesis - Species: Salmonella Typhimurium Negative

1-DECANAL - CAS: 112-31-2

a) acute toxicity

ATE - Oral 33320 mg/kg bw

ATE - Dermal 4173 mg/kg bw

Test: LD50 - Route: Oral - Species: Rat > 33320 mg/kg

Test: LD50 - Route: Oral - Species: Mouse > 41750 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 4173 mg/kg

Route: Inhalation - Species: Rat Negative - Duration: 8h

3,7-Dimethyl-2,6-nonadienenitrile - CAS: 61792-11-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2600 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

3,5,5-trimethylhexyl acetate - CAS: 58430-94-7

a) acute toxicity

ATE - Oral 4250 mg/kg bw

ATE - Dermal 5000 mg/kg bw

Test: LD50 - Route: Oral - Species: Rat = 4250 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

DIHYDRO MYRCENOL - CAS: 18479-58-8

a) acute toxicity

ATE - Oral 3600 mg/kg bw

Test: LD50 - Route: Oral - Species: Rat = 3600 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 5000 mg/kg

Cineole - CAS: 470-82-6



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

- a) acute toxicity
ATE - Oral 2480 mg/kg bw
ATE - Dermal 2000 mg/kg bw
Test: LD50 - Route: Oral - Species: Rat = 2480 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
undecenal - CAS: 1337-83-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 8000 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

CRYSTALE DISHW.FRESH.LEMON 1PC

The product is classified: Aquatic Chronic 3 - H412

Dipropylene glycol monomethylether - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1919 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 6999 mg/l - Duration h: 72

Endpoint: EC50 - Species: Algae > 969 mg/l - Duration h: 75

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.5 mg/l

benzyl acetate - CAS: 140-11-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 17 mg/l - Duration h: 48

Endpoint: EC50 = 855 mg/l - Duration h: 3

Species: Algae = 114 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: LC50 - Species: Fish = 4 mg/l - Duration h: 96 - Notes: Oryzias latipes

Endpoint: NOEC - Species: Algae = 52 mg/l - Duration h: 72

Endpoint: NOEC - Species: Fish = 0.92 mg/l - Notes: Oryzias latipes

Endpoint: EC50 - Species: Algae = 92 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

DIETHYL MALONATE - CAS: 105-53-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 11.8 mg/l - Duration h: 96

Endpoint: EC50 = 3097 mg/l - Duration h: 16

3,5,5-trimethylhexyl acetate - CAS: 58430-94-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 7.7 mg/l - Duration h: 96

DIHYDRO MYRCENOL - CAS: 18479-58-8

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 3.88 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 5.7 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish > 4.81 mg/l - Duration h: 96

Cineole - CAS: 470-82-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 74 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 57 mg/l - Duration h: 96

12.2. Persistence and degradability

6831/1

Page n. 10 of 14



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

3,5,5-trimethylhexyl acetate - CAS: 58430-94-7

Biodegradability: Readily biodegradable - Duration: 28GG - %: 60

DIHYDRO MYRCENOL - CAS: 18479-58-8

Biodegradability: Readily biodegradable - Test: OECD 301B - Duration: 28GG - %: 72.1

Cineole - CAS: 470-82-6

Biodegradability: Readily biodegradable - Test: OECD TG 301F - Duration: 28GG - %: 82

12.3. Bioaccumulative potential

3,5,5-trimethylhexyl acetate - CAS: 58430-94-7

Test: BCF - Bioconcentration factor 504

Test: Kow - Partition coefficient 1.622

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

Restriction 40

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Text of phrases referred to under heading 3:

H412 Harmful to aquatic life with long lasting effects.

H319 Causes serious eye irritation.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Unst. Expl.		
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Irrit. 2, H319	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold
CCNL - Appendix 1

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
BIODG06:	CO2 Evolution Test
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EC50:	Effect Concentration 50
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GG:	Days
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.



Safety Data Sheet

CRYSTALE DISHW.FRESH.LEMON 1PC

ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
N.A.:	Not applicable
NOEC:	no effective concentration observed
OECD:	Organization for Economic Cooperation and Development
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.