

**Safety data sheet**  
**according to Regulation (EU) 2015/830**

Printing date: 27.12.2018

Version number 1

Revision: 27.12.2018

**Section 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1. Product identifier**
- Trade name: 2553 limon
- Article number: 2553 limon
  
- **1.2. Relevant identified uses of the substance or mixture and uses advised against** Dishwashing detergent
  
- **1.3. Details of the supplier of the safety data sheet**
- Manufacturer/Supplier

- 
- **Competent person responsible for the Safety Data Sheet**

E-mail :

Tel.:

- **Further information obtainable from:** Quality department

- **1.4. Emergency telephone number:**

Toxicological info center

Na Bojišti 1

120 00 Praha 2

Česká republika

tel.: 224 919 293, 224 915 402 (nonstop)

e-mail: [tis@mbox.cesnet.cz](mailto:tis@mbox.cesnet.cz)

**Section 2: Hazards identification**

- **2.1. Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- Eye Irrit. 2 H319 Causes serious eye irritation.
  
- **2.2. Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Product is classified and labelled according to Regulation CLP.
- **Hazard pictograms**



GHS07

- **Signal word** Warning.
  
- **Hazard components to labelling**
- None

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**Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements**

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling..

P305+P351+P338 PŘI ZASAŽENÍ OČÍ: 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..

**Other hazards:**

Contains reaction mass of: 5-chloro-2-methylisothiazol-3(2H)-one [EC no. 247-500-7] and 2-methylisothiazol-3(2H)-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

**Classification system:****Eye contact:** May cause irritation.**Skin contact:** Prolonged exposure may cause skin irritation.**2.3. Other hazards** None**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### Section 3: Composition/information on ingredients

**3.2. Mixtures****Description:** Mixture: consisting of the following components.

CAS-number	Classification	%
CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16	alkohols, C12-14,ethoxylated (1-2,5 EO), sulphate, sodium salts ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥2,5-<10%
CAS: 68411-30-3 EINECS: 270-115-0 Reg.nr.: 01-2119489428-22	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts ☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥1 -<2,5%
CAS: 55965-84-9	reaction mass of: 5-chloro-2-methylisothiazol-3(2H)-one [EC no. 247-500-7] and 2-methylisothiazol-3(2H)-one [EC no. 220-239-6] (3:1) ☠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ☠ Skin Corr. 1B, H314; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Skin Sens. 1, H317	~0-<0,0015%

**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants	≥5 - <15%
fragrances, LIMONENE, CITRAL, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE	< 5%

· · **Additional information:** For the wording of the listed hazard statements refer to section 16.

### Section 4: First aid measures

**4.1. Description of first aid measures****After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Rinse with warm water.

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- **After eye contact:** Rinse opened eye for several minutes under running water. Ensure adequate eye flushing by separating eyelids with fingers. For persistent problems consult a physician.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **Information for doctor:**

#### · **4.2. Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

### **Section 5: Firefighting measures**

- **Extinguishing media** Use fire extinguishing methods suitable to surrounding conditions.
- **Extinguishing media which shall not be used for safety reasons:** Not known.

#### · **5.2. Special hazards arising from the substance or mixture** Not known.

- **Advice for firefighters:** Wear fully protective suit.
- **Additional information** Not explosive. Not auto-flammable. Not flammable.

### **Section 6: Accidental release measures**

#### · **6.1. Personal precautions, protective equipment and emergency procedures**

During manipulation wear protective aids

#### · **6.2. Environmental precautions:**

Dilute with plenty of water.

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

#### · **6.3. Methods and material for containment and cleaning up:**

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

Dispose of the material collected according to section 13.

#### · **6.4. Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### **Section 7: Handling and storage**

#### · **7.1. Precautions for safe handling** No special precautions are necessary if used correctly.

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

#### · **7.2. Conditions for safe storage, including any incompatibilities**

· **Requirements to be met by storerooms and receptacles:** Store in a cool and dry area.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Store in dry conditions.

· **Recommended storage temperature:** 5 - 25 °C

#### · **7.3. Specific end use(s)** According to the instructions on the package label.

### **Section 8: Exposure controls/personal protection**

· **Additional information about design of technical facilities:** see Sections 5, 6, 7

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**· 8.1. Control parameters****· Control parameters:**

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

**· Additional information:** Not shown.

**· 8.2. Exposure controls****· 8.2.1. Occupational exposure controls:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**· Respiratory protection:** Not required.

**· Hand protection:** In case of long term contact use protective gloves or protective skin cream

**· Material of gloves:** Latex or rubber

**· Eye protection:** Safety glasses

**· Skin protection:** Protective work clothing

**· Exposure controls of users/consumers:**

Not a hazard in normal use.

Protective gloves are recommended for people with sensitive skin.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

Wash hands at the end of work with product.

**· 8.2.2. Environmental exposure controls:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## Section 9: Physical and chemical properties

**· 9.1. Information on basic physical and chemical properties****· Appearance:**

**Physical state:** Liquid

**Colour:** Yellow

**· Odour:** Like perfume

**· Odour threshold:** Not determined.

**· pH-value at 20 °C (68 °F):** 7,0 – 10,0

**· Important health, safety and environmental information:**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** Undetermined.

**· Flash point:** Not applicable.

**· Flammability (solid, gas):** Non-combustible substance.

**· Ignition temperature:**

**Decomposition temperature:** Not determined.

**· Auto-ignition temperature:** Product is not self-igniting.

**· Explosive properties:** Product does not present an explosion hazard.

**· Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

**· Oxidising properties:** None.

**· Vapour pressure:** Not determined.

**· Density at:** Not determined

**· Relative density:** Not determined.

**· Vapour density:** Not determined.

**· Evaporation rate:** Not applicable.

**· Solubility:**

**Water solubility:** Easily soluble.

**· Partition coefficient: n-octanol/water:** Not determined.

**· Viscosity:**

**Dynamic:** Not applicable.

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**Kinematic:** Not applicable.

· **9.2. Other information** No further relevant information available.

### Section 10: Stability and reactivity

· **10.1. Reactivity** No known.

· **10.2. Chemical stability** Stable at recommended storage conditions.

· **10.3. Possibility of hazardous reactions** No dangerous reactions known.

· **10.4. Conditions to avoid** No further relevant information available.

· **10.5. Incompatible materials:** No further relevant information available.

· **10.6. Hazardous decomposition products:** No dangerous decomposition products known.

### Section 11: Toxicological information

· **11.1. Information on toxicological effects**

· **Acute toxicity** Undetermined.

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation**

Causes serious eye irritation.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Toxicokinetics, metabolism and distribution:** Not determined.

· **Acute effects (acute toxicity, irritation and corrosivity):** Irritant

· **Sensitisation:** Not known.

· **Repeated dose toxicity:** Not known.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Not known.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

### Section 12: Ecological information

· **12.1. Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **12.2. Persistence and degradability**

Surfactants contained in this preparation comply with biodegradability criteria according to Corrigendum to Regulation (EC) No 648/2004 of the European Parliament and of the Council concerning the detergents, as amended.

· **Behaviour in environmental systems:**

· **12.3. Bioaccumulative potential** No further relevant information available.

· **12.4. Mobility in soil** No further relevant information available.

· **12.5. Results of PBT and vPvB assessment** Undetermined.

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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· **12.6. Other adverse effects** No further relevant information available.

### Section 13: Disposal considerations

· **13.1. Waste treatment methods**

· **Recommendation**

Hand over unused products to a facility holding a licence for the given code (07 06 99) and a facility operation approval issued by the Regional Authority. Waste can be processed in a stabilization unit or in a waste-water treatment plant. Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts according to Act No. 185/2001 Sb., as amended.

· **Waste disposal key:**

07 06 99\* Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics, wastes not otherwise specified

· **Uncleaned packaging:**

Dispose of empty and properly cleared package to the collection centre of sorted waste.

Waste disposal key: 15 01 10\* Packaging containing residues of or contaminated by hazardous substances

· **Recommendation:**

Hand over empty contaminated packaging to a facility holding a licence for the given code (15 01 10\*) and a facility operation approval issued by the Regional Authority. Contaminated packaging can be used for power generation or landfilled, provided the conditions for the waste acceptance into the facility are met. Returnable packaging is to be cleaned and handed over to the supplier.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### Section 14: Transport information

non hazard classification according to ADR

· **14.1 UN Number** does not have

· **14.2. UN proper shipping name**

· **ADR Void**

· **14.3. Transport hazard class(es)**

Not known

· **14.4 Packing group**

Not known

· **14.5. Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable.

· **14.7. Transport in bulk according to Annex II of**

**Marpol and the IBC Code** Not applicable.

· **UN "Model Regulation":** Void

### Section 15: Regulatory information

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

· **European Parliament and Council Directive (EC) 2012/18/EU**

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· **Hazardous substances mentioned - ANNEX I** None of the ingredients is on the list.

· **Regulation (ES) No 1907/2006 ANNEX XVII** Restrictive conditions: 3

· **National regulations:**

Act No 350/2011 Coll., On chemical substances and chemical mixture and on amendment to certain acts, as amended.  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006"

· **The most important directly applicable regulations and other ES regulations concerning the details of the safety data sheet:**

Regulation (EC) 648/2004 of the European Parliament and of the Council On detergents, as amended.

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), on establishing a European Chemicals Agency, amending Directive 1999/45 / EC and repealing Council Regulation (EEC) No 793/93, Commission Regulation (EC) No 1488/94, Council Directive 76/769 / EEC and Commission Directives 1/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC, as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC and amending Regulation ) No 1907/2006.

· **Health and safety regulations relating to the product under consideration:**

Act No. 258/2000 Coll., On the protection of public health and on amendments to certain related acts, as amended.

Act No. 372/2011 Coll., On health services and conditions for their provision, as amended

· **The most important regulations on environmental protection related to chemical substances and agents relating to the product under consideration:**

Act No. 169/2013 Coll., On wastes and on amendments to certain other acts, as amended.

Decree No. 94/2016 Coll., On evaluation of hazardous characteristics of waste, as amended.

Decree No. 93/2016 Coll., On the waste catalogue, as amended. Decree No. 383/2001 Coll., On the waste management details, as amended. Decree No. 294/2005 Coll., On the conditions for waste disposal at landfills of waste and its use on the surface of land and amending Decree No. 383/2001 Coll., On waste management details, as amended.

Act No. 254/2001 Coll., On water and on amendment to certain acts (Water act), as amended.

Act No. 201/2012 Coll., Act on air protection, as amended.

Act No. 477/2001 Coll., On packaging and on amendments to certain Acts (Act on packaging), as amended.

Act No. 224/2015 Coll., On prevention of major accidents caused by selected dangerous chemical substances or chemical compounds and on amendment to act No. 634/2004 Coll., On administrative fees, as amended (Major accident prevention act)

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

## Section 16: Other information

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

· **Relevant phrases**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long-lasting effects.

H412 Harmful to aquatic life with long-lasting effects.

· **Training advice:** Once a year according to this material safety data sheet.

· **Recommended restrictions on use (i.e. non-statutory recommendations by supplier):** none

· **Further information (written references and/or technical contact point):** e-mail: [info@eudgroup.com](mailto:info@eudgroup.com)

· **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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Acute Tox. 3: Acute toxicity – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Acute Tox. 2: Acute toxicity – Category 2*

*Skin Corr. 1B: Skin corrosion / irritation – Category 1B*

*Skin Irrit. 2: Skin corrosion / irritation – Category 2*

*Eye Dam. 1: Serious eye damage / eye irritation – Category 1*

*Eye Irrit. 2: Serious eye damage / eye irritation – Category 2*

*Skin Sens. 1: Skin sensitization – Category 1*

*Aquatic Acute 1: Hazards to the aquatic environment - acute hazards to the aquatic environment – Category 1*

*Aquatic Chronic 1: Hazards to the aquatic environment - long-term hazard to the aquatic environment – Category 1*

*Aquatic Chronic 3: Hazards to the aquatic environment - long-term hazard to the aquatic environment – Category 3*

**· Sources of key data used to compile the Safety Data Sheet: Material safety data sheets of raw materials.**