

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

Conforms to Regulations (EC) 1907/2006, (EC) 1272/2008 and subsequent amendments.

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

1.1. Product identifier

Mixture identification:

Trade name: ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

Trade code: T2003231240

SAP Code: 900741

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

Recommended use:

Concentrated glasswasher liquid

Only professional use

1.3. Details of the supplier of the safety data sheet

Supplier:

ITALCHIMICA s.r.l.

Riviera Maestri del lavoro 10 35127 Padova Italy

Phone +39 049 8792456

Marketing authorization holder

ITALCHIMICA s.r.l. ||Riviera Maestri del lavoro 10 35127 Padova Italy ||Phone +39 049 8792456 - www.italchimica.it||

Competent person responsible for the safety data sheet:

regulatory@italchimica.it

1.4. Emergency telephone number

(ITALY) Centro Antiveneni (CAV), Azienda Ospedaliero Universitaria OO.RR. Foggia. Tel 0881732326 (h24)

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.**

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

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

P102 Keep out of reach of children.

P103 Read label before use.

P264 Wash face and hands and any exposed skin after use.

P280 Wear protective gloves and eye/face protection.

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

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

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
>= 2.5% - < 5%	Dodecylbenzenesulphonic acid	CAS: 85536-14-7 EC: 287-494-3 REACH No.: 01-2119490234-40-0000	 3.1/4/Oral Acute Tox. 4 H302  3.2/1B Skin Corr. 1B H314
>= 2.5% - < 5%	Sodium Laureth Sulfate	CAS: 68891-38-3 REACH No.: 01-2119488639-16-0009	 3.2/2 Skin Irrit. 2 H315 4.1/C3 Aquatic Chronic 3 H412  3.3/1 Eye Dam. 1 H318
< 2.5%	sodium hydroxide; caustic soda	Index number: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5	 3.2/1A Skin Corr. 1A H314

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

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

Protect uninjured eye.

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

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

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.

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

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.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

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

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

sodium hydroxide; caustic soda - CAS: 1310-73-2

ACGIH - STEL: Ceiling 2 mg/m³ - Notes: URT, eye, and skin irr

DNEL Exposure Limit Values

Dodecylbenzenesulphonic acid - CAS: 85536-14-7

Worker Professional: 170 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 12 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 85 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 3 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 0.85 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Sodium Laureth Sulfate - CAS: 68891-38-3

Worker Professional: 2750 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 175 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1650 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 15 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 52 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Dodecylbenzenesulphonic acid - CAS: 85536-14-7

Target: Fresh Water - Value: 0.287 mg/l

Target: Marine water - Value: 0.0287 mg/l

Target: Microorganisms in sewage treatments - Value: 3.43 mg/l

Target: Freshwater sediments - Value: 0.287 mg/l

Target: Soil (agricultural) - Value: 35 mg/kg

Sodium Laureth Sulfate - CAS: 68891-38-3

Target: Fresh Water - Value: 0.24 mg/l

Target: Soil (agricultural) - Value: 0.946 mg/kg

Target: Microorganisms in sewage treatments - Value: 10000 mg/l

Target: Marine water - Value: 0.024 mg/l

Target: Marine water sediments - Value: 0.545 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

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:
Appearance:	Transparent Liquid	Visual	--
Color:	Green	Visual	--
Odour:	Citric	Olfactory	--
Odour threshold:	Not Relevant	--	Parameter Not Relevant For The Product Type.
pH:	7.0 +/- 0.5	Instrumental Control	--
Melting point / freezing point:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Initial boiling point and boiling range:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Flash point:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Evaporation rate:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Solid/gas flammability:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Upper/lower flammability or explosive limits:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Vapour pressure:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Vapour density:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Relative density:	1.0200 +/- 0,01 gr/ml	Instrumental Control	--
Solubility in water:		Internal Tests	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	Parameter Not Relevant For The Product Type.
Auto-ignition temperature:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Decomposition temperature:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Viscosity:	< 10 Cps	--	Estimated Estimated Value. Non-Viscous Mixture.
Explosive properties:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Oxidizing properties:	Not Relevant	--	Parameter Not Relevant For The Product Type.

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Fat Solubility:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Conductivity:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Substance Groups relevant properties	Not Relevant	--	Parameter Not Relevant For The Product Type.

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 toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

Dodecylbenzenesulphonic acid - CAS: 85536-14-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg - Source: OECD TG401 - Notes:

Nocivo se ingerito

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD TG 402

b) skin corrosion/irritation:

Test: Skin Corrosive - Route: Skin - Species: Rabbit Yes - Source: OECD TG 404 -

Notes: Corrosivo

c) serious eye damage/irritation:

Test: Eye Irritant - Route: Skin - Species: Rabbit Yes - Source: OECD TG 405 - Notes:

Può procurare Dani irreversibili agli occhi

d) respiratory or skin sensitisation:

Test: Respiratory Sensitization - Route: Inhalation No - Source: OECD TG 406 - Notes:

Porcellino d'India non sensibilizzante

e) germ cell mutagenicity:

Test: Mutagenesis - Species: Salmonella Typhimurium No - Source: OECD TG 401 -

Notes: Test di Ames - TEst in Vitro

f) carcinogenicity:

Test: Carcinogenicity No

g) reproductive toxicity:

Test: Reproductive Toxicity No - Notes: NOALE 350mg/kg giorno

h) STOT-single exposure:

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

- Test: Skin Sensitization No
- i) STOT-repeated exposure:
Test: Skin Sensitization No
Sodium Laureth Sulfate - CAS: 68891-38-3
- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Oral - Species: Rat 4100 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Notes: PROVA OECD 404
Test: Eye Irritant - Route: Skin - Species: Rabbit Positive - Notes: PROVE OECD 405
Test: Respiratory Tract Irritant - Route: Inhalation Negative
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin Negative - Notes: Organismo - Porcellino d'India
- e) germ cell mutagenicity:
Test: Mutagenesis - Species: Generic Bacteria Negative - Notes: OECD 471
Test: Mutagenesis - Species: Generic Bacteria Negative - Notes: OECD 476
Test: Mutagenesis - Species: Generic Bacteria Negative - Notes: OECD 475
- g) reproductive toxicity:
Test: Reproductive Toxicity - Species: Rat > 300 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

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

Dodecylbenzenesulphonic acid - CAS: 85536-14-7

- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1-10 mg/l - Duration h: 96 - Notes: OECD TG 203 - Prova semistatica | US EPA 1975 Prova statica
Endpoint: EC50 - Species: Daphnia > 1-10 mg/l - Duration h: 48 - Notes: OECD TG 202 - Prova Statica
Endpoint: EC50 - Species: Algae > 10-100 mg/l - Duration h: 72 - Notes: OECD TG 201 Prova semistatica
- b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish > 0.1-1 mg/l - Duration h: 4704 - Notes: Prova a flusso continuo
Endpoint: NOEC - Species: Daphnia > 1-10 mg/l - Duration h: 504 - Notes: Prova a flusso continuo
- c) Bacteria toxicity:
51 mg/kg - Duration h: 336 - Notes: EC10 - Test di inibizione di moltiplicazione cromosomica
- d) Terrestrial toxicity:

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

Endpoint: LC50 > 1000 mg/kg - Duration h: 336 - Notes: OECD TG 207 - Test su Eisenia fetica

e) Plant toxicity:

Endpoint: EC50 167 mg/kg - Duration h: 504 - Notes: OECD TG 208 - Test su Sorghum bicolor

Sodium Laureth Sulfate - CAS: 68891-38-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 7.4 mg/l - Duration h: 48

Species: Algae 27.7 mg/l - Duration h: 72 - Notes: ErC50 Tasso di crescita

Endpoint: LC50 - Species: Fish 7.1 mg/l - Duration h: 96

Endpoint: NOEC - Species: Daphnia 1.2 mg/l - Duration h: 504

Endpoint: NOEC - Species: Fish 1 mg/l - Duration h: 1080

c) Bacteria toxicity:

> 10 g/kg - Duration h: 16 - Notes: EC10

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. 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

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. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

SECTION 15: Regulatory information

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

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

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) 2015/830
 Regulation (EU) n. 286/2011 (ATP 2 CLP)
 Regulation (EU) n. 618/2012 (ATP 3 CLP)
 Regulation (EU) n. 487/2013 (ATP 4 CLP)
 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)

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
 Restriction 40

Restrictions related to the substances contained:

No restriction.

Pronto all'Uso

Volatile Organic compounds - VOCs = 0.00 %

Volatile Organic compounds - VOCs = 0.00 g/Kg

Volatile Organic compounds - VOCs = 0.00 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

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.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H412 Harmful to aquatic life with long lasting effects.
 H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5

Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

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	OECD TEST No. 438

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

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.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
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.
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.
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.

Safety Data Sheet

ALBIORE DISHWASHING LIQUID GREEN LEMON KG 5