



SAFETY DATA SHEET

According to Regulation 1907/2006/EC (REACH)
and amendment 2020/878/EU

Dishwashing liquid GREEN APPLE

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Issued date: 2010-04-20

Revised date: 2024-09-20

Version: 3

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

1.1. Product identifier

Name of the Chemical mixture: DISHWASHING LIQUID GREEN APPLE

UFI: 9300-60HA-C00S-5H7A

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

Identified uses: Suitable for dishwashing, effectively removes dirt, gives a pleasant smell and shine. For professional use.

1.3. Details of the supplier of the safety data sheet:

Manufacturer: JSC "Arli Baltic"

Address: Šaltinių g. 26-30, Vilnius, LT – 03233, Lithuania

Tel.: +370 655 34 559

E-mail address of the competent person responsible for the MSDS: info@arlibaltic.lt

www.arlibaltic.lt

1.4. Emergency telephone number:

Lithuanian Poison Information Bureau (24/7): Tel: +370 5 236 20 52; www.apsinuodijau.lt

European Emergency: 112

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

<i>Classification of the mixture</i> <i>In accordance with the CLP regulation No. 1272/2008/EB</i>	
<i>Hazard Class and Category Code (s)</i>	<i>Hazard phrase code (s)</i>
Not applicable. Mixture not classified as hazardous.	Not applicable

2.2. Label elements

Labeling according to the CLP Regulation No. 1272/2008/EC:

The signal word: none

Hazard pictograms: none

Hazard statements: none

Precautionary Statements: none

The mixture not classified as hazardous, precautionary statements are not required. Safe use icons recommended by the International Association for Soaps, Detergents and Maintenance Products - A.I.S.E. may be used instead:



Information according Regulations 648/2004/EC and 907/2006/EC on detergents: The product contains less than 5 %: anionic surfactants, amphoteric surfactants, as well as perfumes (4-tert-Butylcyclohexyl Acetate, d-limonene, 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde).

2.3. Other hazards

PBT or vPvB criteria: The organic substances in the mixture does not meet the PBT/vPvB criteria.

The hazards associated with fire or explosion: non-flammable, non-explosive. The mixture is an aqueous solution.



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SECTION 3. Composition /information on ingredients

3.2. Mixtures

Substances presenting a health hazard, if those substances are present in concentrations equal to or greater than 1 %; substances with lower classification limits; substances for which Union workplace exposure limits have been assigned; as well as substances specified in the labeling requirements for detergents.

EC No.	CAS No.	REACH Registration No.	Ingredients	Weight percent %	Classification In accordance with the CLP regulation No. 1272/2008/EB
931-534-0	68439-57-6	01- 2119513401- 57-xxxx	Sulfonic acids, C14-16- alkane hydroxy and C14-16- alkene, sodium salts*	0,9 – 1,26	Eye Dam. 1; H318 Skin Irrit. 2; H315
500-234-8	68891-38-3	01- 2119488639- 16-xxxx	Alcohols, C12-14, ethoxylated, sulfates, sodium salts*	0,84 – 1,54	Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic3; H412
931-333-8	147170-44-3 61789-40-0	01- 2119489410- 39-xxxx	1-Propanaminium, 3- amino-N (carboxymethyl) - N,N- dimethyl-, N-(C8-18 (even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts*	0,1 – 0,16	Eye Dam. 1; H318 Aquatic Chronic3; H412
Fragrance: allergens					
250-954-9	32210-23-4	01- 2119976286- 24-xxxx	4-Tert- Butylcyclohexylacetate	0,01 – 0,05	Skin Sens. 1B ; H317
227-813-5	5989-27-5	01- 2119529223- 47-xxxx	(R)-p-mentha-1,8- diene; d-Limonene; limonene		Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2 ; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
268-264-1	68039-49-6	01- 2119982384- 28-XXXX	2,4-Dimethyl-3- cyclohexen-1- carboxaldehyde		Skin Irrit. 2 ; H315 Skin Sens.1B; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411

Notes: Explanations of H-phrases, hazard classes and other symbols are indicated in section 16.

* Substances for which in Regulation 1272/2008/EC or after the REACH registration established specific concentration limits for the classification of the mixtures specified in Section 16.

SECTION 4. First aid measures

4.1. Description of first aid measures

Common information: in all cases of doubt, or when symptoms persist, seek medical attention. In case of unconscious, do not give anything to drink or put anything in the mouth. In case of suspected poisoning of the product, seek medical advice or contact Lithuanian Poison Information Bureau: Tel: +370 5 236 20 52.

Inhalation: There is no real danger when used or handled.

Skin contact: Wash your hands and damaged areas of the body with plenty of water.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 10 minutes occasionally lifting the upper and lower eyelids. If eye irritation persists: get medical advice/attention.

Ingestion: Rinse mouth, drink a few glasses of water. Without a doctor's consultation do not induce vomiting - risk of suffocation with foam.

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



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Inhalation: No real risk.

If in eyes: May cause irritation, pain, tearing, eye redness.

If on skin: Prolonged usage may cause dry skin.

If swallowed: May cause irritation of stomach and intestines, cause abdominal pain, vomiting, diarrhea.

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

See Section 4.1. No specific recommendations. Symptomatic treatment.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: must be selected assessing the burning properties of surrounding materials. The product is non-flammable.

5.2. Special hazards arising from the substance or mixture

Not really from product itself.

5.3. Advice for firefighters

In a fire or if heated, a pressure increase will occur and the package may burst.

If packages cannot be removed from the flame, cool with water mist.

Special protective equipment for fire-fighters:

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Small spills do not cause the possibility of serious accidents. If a large amounts of liquid is spilled, such as from packaging for professional users, avoid contact with skin and eyes, ventilate the room. Do not touch or walk through spilled material. Risk of slipping. Non-emergency personnel must leave the spill site. Wear suitable gloves.

6.2. Environmental precautions:

Do not allow of the large amounts released to drain systems or onto the soil.

6.3. Methods and material for containment and cleaning up

Collect leaked liquid in an appropriate container ex., from plastic, steel. Remainders absorb with textile, sand, earth, and place in a chemical waste container. Wash away remainder with water, wipe thoroughly.

6.4. Reference to another section

For personal protective equipment see section 8. For disposal considerations see section 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Use for purposes and instruction that note on the label or in the technical data sheet. Avoid contact with eyes and skin. Wear impervious to liquids gloves. Do not to eat, drink and smoke in work areas. Wash hands after use.

7.2. Conditions for safe storage, including any incompatibilities:

Store in a dry, ventilated place at a temperature of 10-30 °C. Avoid direct sunlight.

Incompatible materials for storage: unknown.

7.3. Specific end use

Specified in section 1.2.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Chemical exposure limit at the workplace: : no data.



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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Good indoor ventilation, avoid spilling.

8.2.2. Individual protection measures, such as personal protective equipment

Eye, face protection: avoid contact with eyes. In case of eye contact - safety glasses.

Skin protection: for frequent contact may cause dry skin. When working, it is recommended to wear suitable gloves.

Body protection: work clothes, protective footwear.

Respiratory protection: Not needed in normal circumstances or in accidents.

Thermal hazards: not applicable

Personal hygiene measures: do not eat, drink or smoke. After work, wash your hands with soap and water.

8.2.3. Environmental exposure controls

Do not allow to enter drainage system, surface or ground water.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Viscous liquid.
Colour:	Light green.
Odour:	Slightly perfumed.
pH:	6,0 – 8,0
Melting point/freezing point °C:	No data.
Initial boiling point/Boiling range, °C :	From 100°C (water)
Flash point, °C:	Not applicable.
Evaporation rate (n-butylacetate =1):	Not applicable – water solution.
Flammability:	Not applicable.
Upper/lower flammability or explosive limits:	Not applicable.
Vapour pressure:	Not applicable – water solution.
Vapour density:	Not applicable.
Relative density:	~ 1,005
Solubility in water:	miscible with water in any ratio.
Partition coefficient (n-octanol/water):	Not applicable for inorganic substances. For the containing surfactants: EC No. 500-234-8: logPow = 0,3 (23 °C temp.; pH 6,1); EC No. 931-534-0: logPow = 1.3 (20 °C temp.; pH 5,43). EC No. 931-333-8: logPow = 4,2 (23 °C temp.)
Auto-ignition temperature, °C:	Not applicable.
Decomposition temperature:	Not applicable.
Viscosity:	No data.
Explosive properties:	Not applicable.
Oxidising properties:	Components have no oxidising properties.
Particle characteristic:	No data.

9.2. Other information: none.

SECTION 10. Stability and reactivity

10.1. Reactivity

The product is stable under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

The product does not present possibility of hazardous reactions.

10.4. Conditions to avoid

Keep away from flames, sparks, overheating and frost.

10.5. Incompatible materials:

Keep away from strong acids, alkalis, oxidizing agents.



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10.6. Hazardous decomposition products

No decomposition if used for the intended uses.

SECTION 11. Toxicological information

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

Hazard Classes

- a) **Acute toxicity:** according available data, the mixture does not meet the classification criteria.
- b) **Skin corrosion (or) irritation:** according available data, the mixture does not meet the classification criteria.
- c) **Serious damage to the eyes and (or) eyes irritation:** according available data, the mixture does not meet the classification criteria.
- d) **Respiratory or skin sensitization:** according available data, the mixture does not meet the classification criteria.
- e) **Mutagenicity:** according available data, the mixture does not meet the classification criteria.
- f) **Carcinogenicity:** according available data, the mixture does not meet the classification criteria.
- g) **Reproductive toxicity:** according available data, the mixture does not meet the classification criteria.
- h) **Specific target organ toxicity (single exposure):** according available data, the mixture does not meet the classification criteria.
- i) **Specific target organ toxicity (repeated exposure):** according available data, the mixture does not meet the classification criteria.
- j) **Aspiration hazard:** according available data, the mixture does not meet the classification criteria.

11.2. Information on other hazards: None.

SECTION 12. Ecological information

12.1. Toxicity:

According available data, the mixture does not meet the classification criteria.

12.2. Persistence and degradability

Some components solubles in water, decomposes. The biodegradability of the surfactants in the mixture
Complies with the Requirements of Regulation 648/2004/EC.

12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

No data.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Endocrine disrupting properties

No data.

12.7. Other adverse effects

No data.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal: Consult federal, state and local disposal regulations to determine disposal classification and acceptable methods of disposal.

Contaminated packaging: Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14. Transport information

14.1. UN Number or ID number: Not applicable.

14.2. UN Proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user: The packages must be tightly closed. Avoid the risk of mechanical damage and overturning.

14.7. Maritime transport in bulk according to IMO instruments: Not applicable.



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SECTION 15. Regulatory information

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

General designations (laws):

- EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Corrigendum (OJ No. L 396, 30.12.2006 Corrigendum – OJ No. L 136/3 2007 5 29).
- 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 (OJ 2008 L 353, p.1).
- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 203, 26.6.2020 p. 28–58).

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

European Parliament and Council regulation of March 31st, 2004, no. 648/2004/EB and the change 907/2006/EB on detergents (EU Official Gazette. L104, 2004-08-08, p.1 No. L168, 2006-06-21, p.5).

- HN 23:2011 "Occupational Exposure Limit Values. Measuring the impact and General Requirements (Approved by the Minister of Health and Social Security and Labor of the 1st of September, 2011, Order No. V-824/A1-389, Official Gazette, 2011, No. 112-5274 and the change approved by the Minister of Health and Social Security of the Republic of Lithuania and the Minister of Labor in June 12, 2018, order no. V-695 / A1-272, Official Gazette, 2018-06-15, No. 9988).

- Packaging and packaging waste regulations, new redaction (Approved by the Minister of Environment of the Republic of Lithuania on the 31th of March, order No. D1-225, Official Gazette., 2016-01-01, No. 2016-06779).

- Waste management rules. (New redaction, Approved by the Minister of Environment of the Republic of Lithuania on the 3rd of May, 2011, order No. D1-368, Official Gazette., 2011, no. 57-2721), and amendments approved by the Minister of the Environment in 2015 June 23 by order No. D1-489 (Official Gazette, 25/06/2015, No. 10138) and December 29, 2017, by order No. D1-1061 (Official Gazette, 2018-01-02, No. 57).

- Employees with personal protective equipment regulations. (Approved by the Ministry of Social Security and Labour Minister in November 26th, 2007, order No. A1-331, Official Gazette., 2007, 123-5055) and the change, approved by the Minister of Social Security and Labor of the Republic of Lithuania in April 19, 2018, by order No. A1-170 (Official Gazette, 2018-04-20, No. 2018-06281).

- Commission Regulation (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (OJ L 083, 30.3.2011, p.1).

15.2 Chemical safety assessment

For mixture - not applicable.

SECTION 16. Other information

Substances for which in Regulation 1272/2008/EC or after the REACH registration established specific concentration limits for the classification of the mixtures:

EC No	CAS No	REACH registration No	Chemical name	Specific concentration limits
931-534-0	68439-57-6	01-2119513401-57-xxxx	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Eye Dam. 1: C > 38% Skin Irrit. 2; H315: C > 38% Eye Irrit. 2; H319: 5% < C ≤ 38% Skin Irrit. 2; H315: 5% < C ≤ 38% Skin Irrit. 2; H315: C ≥ 5%
500-234-8	68891-38-3	01-2119488639-16-xxxx	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Eye Dam. 1; H318: C ≥ 10% Eye Irrit. 2; H319: 5% ≤ C < 10%

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931-333-8	147170-44-3	01- 2119489410- 39-xxxx	1-Propanaminium, 3-amino- N- (carboxymethyl) - N,N- dimethyl-, N-(C8-18 (even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts*	Eye Dam. 1: C >10% Eye Irrit. 2; H319: 4% < C ≤ 10%
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Hazard classes and categories, hazard phrases texts and other marks interpretations, mentioned in Section 3:

Hazard classes and categories	Hazard statements and additional hazard information
Flam. Liq. 3; Flammable liquid, category 3	H226 Flammable liquid and vapor.
Eye Dam. 1; Eye Damage, category 1	H318 Causes serious eye damage.
Eye Irrit. 2; Eye Irritation, category 2	H319 Causes serious eye irritation.
Skin Irrit. 2; Skin Irritation, category 2	H315 Causes skin irritation.
Skin Sens. 1; Skin sensitization, category 1	H317 May cause an allergic skin reaction.
Skin Sens. 1B and subcategory 1B	
Skin Corr. 1C; Skin corrosion, category 1C	H314 Causes severe skin burns and eye damage.
Asp. Tox. 1; Aspiration toxicity, category 1	H304 Ingestion and inhalation can cause death.
Acute Tox. 4; Acute Toxicity, category 4	H302 Harmful if swallowed.
Aquatic Acute 1; Aquatic hazard (acute), category 1	H400 Very toxic to aquatic life.
Aquatic Chronic 1; Aquatic hazard (long-term), category 1	H410 Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2; Aquatic hazard (long-term), category 2	H411 Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3; Aquatic hazard (long-term), category 3	H412 Harmful to aquatic life with long lasting effects.

Additional sources of the safety data sheet:

Safety Data Sheets issued by manufacturers or suppliers of components.

Data available on the websites of the European Chemicals Agency (ECHA), other international and national organizations.

This safety data sheet must be available to anyone whose work is associated with a chemical agent. The data correspond to our current knowledge and is intended to describe safety, health and environmental aspects. The safety data sheet information will be updated with new data on the chemical mixture on health and environmental risks, preventive measures to reduce or to avoid. The safety data sheet does not constitute any specific chemical substance properties.

End of Safety Data Sheet