

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006



SPIRITAL

Compilation date: 10.11.2017
Revision date: 18.12.2017

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

1.1 Product identifier

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

Use of substance / mixture

Cleaning agent/scouring milk

1.3 Details of the supplier of the safety data sheet

Company name: Arcora International GmbH
Street: Marsstraße 9
Place: 85609 Aschheim by Munich
Germany
Tel: +49 (0)89 / 14 33 29 3-0
Fax: +49 (0)89 / 14 33 29 3-29
E-Mail: info@arcora.de

1.4 Emergency telephone number + 49 (0) 89 / 14 33 29 3-10

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP (EC) No. 1272/2008 [CLP]

Hazard categories:
Serious eye damage/eye irritation: Eye Irrit. 2
Hazard statement:
Causes serious eye damage.

2.2 Label elements

Hazardous component (s) for labeling:
Isotriedecanol, 3-5 EO
Coconut fatty acid diethanolamide
Signal word: Warning
Pictograms: GHS05



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves / protective clothing / eye protection / 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.

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P310 Immediately call a POISON CENTER / doctor.

Additional advice on labelling

According to EC directives or the corresponding national regulations there are classified and labelled for this product.

2.3 Other hazards

Wear a safety glasses for your self-protection.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous ingredients

| EG-No. | Chemical name | Quantity |
|--------------|---|-----------|
| CAS-No. | | |
| Directory | Classification according to information (EG) Nr. 1272/2008 CLP] | |
| REACH-No. | | |
| 931-138-8 | Isotriedecanol, 3-5 EO | 1 - < 5 % |
| 69011-36-5 | | |
| | Eye Dam. 1; H318 | |
| | coconut fatty acid diethanolamide | 1 - < 5 % |
| 68603-42-9 | | |
| | Skin Irrit. 2, Eye Dam. 1; H315 H318 | |
| 204-857-3 | Sodium 3-nitrobenzenesulfonate | < 1 % |
| 127-68-4 | | |
| 609-048-00-2 | Eye Irrit. 2, Skin Sens. 1; H319 H317 | |
| 227-813-5 | (R) -p-Mentha-1,8-dien | < 1 % |
| 5989-27-5 | | |
| 601-029-00-7 | Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H226 H315 H317 H400 H410 | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

In case of respiratory tract irritation, consult a physician.

After skin contact

In case of skin irritation, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

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After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Seek medical attention if problems persist.

4.2 Most important symptoms and effects, both acute and delayed

No information available for acute dermal and inhalative toxicity

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product itself does not burn.
Fire extinguishing measures to environment tune.

5.2 Special hazards arising from the substance or mixture

The product itself does not burn. Suitable extinguishing media: Extinguishing powder. Carbon dioxide (CO₂). Foam. Sand. Water.

5.3 Advice for firefighters

Use appropriate respiratory protection. In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Rubber gloves, safety glasses (recommended).

6.2 . Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Take up mechanically. Suitable material for taking up:
Universal binding agent.
Wipe up with absorbent material (eg. cloth, fleece).
Treat the recovered material as prescribed in the section on waste disposal.
Wash with plenty of water.

6.4 Reference to other sections

High slip hazard because of leaking or spilled product.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special data available.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Protect against:
UV- radiation/sunlight.
Frost.

Advice on storage compatibility

No special measures are necessary.

Further information on storage conditions

No special measures are necessary.

7.3 Specific end uses

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limit (TRGS 900)

| CAS-No. | Chemical name | ppm | mg/m ³ | F/m ³ | Limit | Type |
|-----------|-----------------------------------|-----|-------------------|------------------|-------|------|
| 5989-27-5 | (R)-p-Mentha-1,8-dien (D-Limonen) | 5 | 28 | | 4(II) | |

8.2 Exposure controls

Appropriate engineering controls

No special measures are necessary.

Protective and hygiene measures

No special measures are necessary.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Wear protective gloves.

Body protection

Not required.

Environmental exposure controls

No special measures necessary.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid
Colour: white
Odour: perfumes

Test method

pH-value (1 %): 8,5

Changes in the physical state

Initial boiling point and boiling range: 99,97 °C
Lower explosion limits:
Upper explosion limit:
Vapor pressure (at 20 °C): 23,37 hPa
Vapor pressure (at 50 °C): 123,3 hPa
Density: 1,15 g/cm³
Water solubility: complete
Dyn. viscosity: < 100 mPa s

9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is stable under storage at normal ambient temperatures.

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

The product is stable, if used in compliance with instructions.

10.5 Incompatible materials

Materials to avoid:
alkali

Further information

Stable under normal conditions.

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10.6 Hazardous decomposition products

Hazardous products of decomposition are not known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicity

| CAS-No. | Chemical name | | | | |
|------------|-----------------------------------|--------|--------------|---------|--------|
| | Route of exposure | Method | Dose | Species | Source |
| 69011-36-5 | Isotriedecanol, 3-5 EO | | | | |
| | oral | LD50 | > 2000 mg/kg | Rat | |
| | dermal | LD50 | > 2000 mg/kg | Rabbit | |
| 68603-42-9 | coconut fatty acid diethanolamide | | | | |
| | oral | LD50 | > 2000 mg/kg | Rat | |
| | dermal | LD50 | > 2000 mg/kg | Rabbit | |
| 5989-27-5 | (R)-p-Mentha-1,8-dien | | | | |
| | oral | LD50 | > 2000 mg/kg | Rat | |
| | dermal | LD50 | > 2000 mg/kg | Rabbit | IUCLID |

Irritation and corrosivity

Causes eye irritation.

Sensitising effects

Not available

Severe effects after repeated or prolonged exposure

Not available

Carcinogenic/mutagenic/toxic effects for reproduction

Not available

Practical experience

Observations relevant to classification

Diluted solutions may have a weaker effect, depending on the concentration.

General comment

Additional information about detergent regulation: citral, hexyl cinnamal, limonene, methylchloroisothiazolinone, methylisothiazolinone, benzylalcohol.

SECTION 12: Ecological information

12.1 Toxicity

| CAS-No. | Chemical name | | | | | |
|------------|------------------------|--------|------|-----------|---------|--------|
| | Aquatic toxicity | Method | Dose | [h] [d] | Species | Source |
| 69011-36-5 | Isotriedecanol, 3-5 EO | | | | | |

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| | | | | | | |
|------------|-----------------------------------|-------|---------------|------|-------------------------|----------|
| | Acute fishotoxicity | LC50 | > 1 - 10 mg/l | 96 h | Cyprinus carpio | OECD 203 |
| | Acute algeotoxicity | ErC50 | > 1 - 10 mg/l | | Desmodesmus subspicatus | OECD 201 |
| | Acute crustaceotoxicity | EC50 | > 1 - 10 mg/l | 48 h | Daphnia magna | OECD 202 |
| 68603-42-9 | coconut fatty acid diethanolamide | | | | | |
| | Acute fishotoxicity | LC50 | 2,4 mg/l | 96 h | | |
| | Acute algeotoxicity | ErC50 | 3,9 mg/l | 72 h | | |
| | Acute crustaceotoxicity | EC50 | 3,2 mg/l | 48 h | | |
| 5989-27-5 | (R)-p-Mentha-1,8-dien | | | | | |
| | Acute fishotoxicity | LC50 | >100 mg/l | 96 h | Pimephales promelas | |
| | Acute Crustaceotoxicity | EC50 | >100 mg/l | 48 h | Daphnia magna | |

12.2. Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Octanol/Water partition coefficient

| CAS-No. | Chemical name | Log Pow |
|------------|-----------------------------------|---------|
| 68603-42-9 | coconut fatty acid diethanolamide | 3,75 |
| 5989-27-5 | (R)-p-Mentha-1,8-dien | 4,23 |

BCF

| CAS-No. | Chemical name | BCF | Species | Source |
|------------|-----------------------------------|-------|---------|--------|
| 68603-42-9 | coconut fatty acid diethanolamide | 65,36 | Aquatic | |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

Slightly hazardous to water (WGK 1)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation. Hand over to officially registered waste disposal company.

Waste disposal number of waste from residues/unused products

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070699 Wastes from organic chemical processes; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about land transport

lapse

Inland waterways transport (ADN)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about Inland waterways transport

lapse

Marine transport (IMDG)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about marine transport

lapse

Air transport (ICAO)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about air transport

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14.5 Environmental hazards

no

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14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU regulatory information

Water contaminating class (D): 1 - water contaminating

Status: Mixture rules according to German VwVwS regulation annex 4, No. 3

SECTION 16: Other information

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 Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 ((Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

Relevant H and EUH statements (number and full text)

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

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Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.