

SAFETY DATA SHEET

ARCO D'LIMONENE CLEANER

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Compilation date: 25/05/2012

Revision date: 03/07/2025

Revision No: 5

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

1.1. Product identifier

Product name: ARCO D'LIMONENE CLEANER

CAS number: BLEND

Product code: 3449005

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

Use of substance / mixture: Solvent mixture containing detergent, Used to degrease. Spray on, allow to penetrate the greasy dirt, and hose off.

1.3. Details of the supplier of the safety data sheet

Company name: ARCO LTD

P.O. Box 21

1 Blackfriargate

HULL

East Yorkshire

HU1 2BH

Tel: 01482 222522

Fax: 01482 218536

Email: sales@arco.co.uk

1.4. Emergency telephone number

Emergency tel: 01482 320432

(office hours only)

Manufacturer: Multex Chemicals Ltd.

Multex House

Cannon Street

HULL

East Yorkshire

HU2 OAB

Tel: 01482 320432

Fax: 01482 321777

Email: sales@multexchemicals.co.uk

Section 2: Hazards identification

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2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

GHS09: Environmental



Signal words: Danger

Precautionary statements: P264: Wash hands thoroughly after handling.

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

P261: Avoid breathing spray.

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

P315: Get immediate medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

P314: Get medical advice/attention if you feel unwell.

P273: Avoid release to the environment.

2.3. Other hazards

Other hazards: Not classified as flammable, but will burn if heated or exposed to a flame.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

[cont...]

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Hazardous ingredients:

KEROSINE - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED LIGHT

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|------------|-----------|--|---------|
| 265-149-8 | 64742-47-8 | - | Asp. Tox. 1: H304; Aquatic Chronic 2: H411 | 72.500% |

D-LIMONENE

| | | | | |
|-----------|-----------|---|---|---------|
| 227-813-5 | 5989-27-5 | - | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 | 18.400% |
|-----------|-----------|---|---|---------|

AMIDES, C8-18(EVEN NUMBERED) ,N,N-BIS(HYDROXYETHYL) - REACH registered number(s): 01-2119490100-53-XXXX

| | | | | |
|-----------|---|---|--|--------|
| 931-329-6 | - | - | Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Irrit. 2: H315 | 3.000% |
|-----------|---|---|--|--------|

2-BUTOXYETHANOL - REACH registered number(s): 01-2119475108-36-XXXX

| | | | | |
|-----------|----------|---|---|--------|
| 203-905-0 | 111-76-2 | - | Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315 | 3.000% |
|-----------|----------|---|---|--------|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Launder clothing before re-use. If irritation persists seek medical advice.

Eye contact: Bathe the eye with running water for 15 minutes. If irritation persists seek medical advice. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, rinse out mouth with water, and give water to drink. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

[cont...]

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Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Do not use water. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water. Rinse residues away to foul water drain only.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a cool, well ventilated area.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

[cont...]

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-BUTOXYETHANOL

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| UK | 25 ppm | 50 ppm | - | - |

DNEL/PNEC Values

Hazardous ingredients:

2-BUTOXYETHANOL

| Type | Exposure | Value | Population | Effect |
|------|----------|--------------|------------|----------|
| DNEL | Dermal | 89 mg/kg day | Workers | Systemic |

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: If ventilation is poor, Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Protective gloves. Impermeable gloves.

Eye protection: Safety goggles.

Skin protection: Rubber boots. Rubber apron. Impermeable protective clothing.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Sweet lemon.

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Emulsifies with water.

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Boiling point/range°C: 170-260

upper: 4

Autoflammability°C: about 280

Flammability limits %: lower: 0.6

Flash point°C: Above 63

Relative density: 0.82 approx

[cont...]

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9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Flames. Sources of ignition. Hot surfaces.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

D-LIMONENE

| | | | | |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 5600 | mg/kg |
| ORL | RAT | LD50 | 4400 | mg/kg |
| SCU | MUS | LD50 | 3170 | mg/kg |

AMIDES, C8-18(EVEN NUMBERED) ,N,N-BIS(HYDROXYETHYL)

| | | | | |
|------|-----|------|------|-------|
| ORAL | RAT | LD50 | 5000 | mg/kg |
|------|-----|------|------|-------|

2-BUTOXYETHANOL

| | | | | |
|---------|-----|------|------|-------|
| DERMAL | RAT | LD50 | 1100 | mg/kg |
| ORL | RAT | LD50 | 1300 | mg/kg |
| VAPOURS | RAT | - | 11 | mg/l |

Relevant hazards for product:

| Hazard | Route | Basis |
|---------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM | Hazardous: calculated |

[cont...]

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| | | |
|--------------------------------|-----|-----------------------|
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| Respiratory/skin sensitisation | DRM | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

2-BUTOXYETHANOL

| | | | |
|---------------|----------|------|------|
| Daphnia magna | 48H EC50 | 1550 | mg/l |
|---------------|----------|------|------|

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Floats on water. Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Harmful to aquatic organisms. Harmful to fauna.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Used material should be discharged to a foul water drain. Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Clean with water. Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

[cont...]

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Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

