
SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008 and 2015/830

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

1.1 Product identifier

- Product Name: Lakeland ACP 70
- CAS no. 84812-94-2
- EC No. 284-219-9
- UFI: 4810-X01F-F00D-YWAX

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

- Use of the substance/mixture: This surfactant is a chemical intermediate for use by professionals in chemical formulation
- Use advised against: None assigned

1.3 Product and Company information

- Name of Manufacturer: Lakeland Laboratories Ltd
- Address of Manufacturer: Peel Lane
Astley Green
Tyldesley
Manchester
M29 7FE
England
- Telephone: +44(0) 1942 873555
- Responsible Person: Tony Morrissey
- Email: Mailbox@lakeland-labs.co.uk

1.4 Emergency telephone number

- +44(0) 1942 873555 (Mon -Thur 0800 - 1600 hrs,Fri 0800 - 1500hrs).
 - Emergency Telephone: 111
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No. 1272/2008
- Eye damage, category 1
- Acute toxicity, category 4
- Organ toxicity repeated exposure, category 2
- Acute aquatic toxicity, category 1

2.2 Label elements

- Labelling according to Regulation (EC) N.1272/2008
 - Signal Word: Danger
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SECTION 2: Hazards identification (....)**Hazard statements**

Causes serious eye damage (H318).

Harmful if swallowed (H302).

May cause damage to the kidneys through repeated or prolonged exposure if swallowed (H373)

Very toxic to aquatic life (H400).

Precautionary statements

Do not breathe vapour/spray

Wash skin thoroughly after handling (P264).

Do not eat, drink or smoke when using this product (P270).

Wear protective gloves/protective clothing/eye protection/face protection (P280).

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician (P301+P310).

Rinse mouth (P330).

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

Get medical advice/attention if you feel unwell (P314).

Avoid release to the environment (P273).

Collect spillage (P391).

Dispose of contents/container to an authorised waste collection point (P501)

Supplemental Hazard information (EU)

Contains: ethanediol; ethylene glycol

2.3 Other hazards

- Not classified as a PBT or vPvB according to REACH Annex XIII

SECTION 3: Composition/information on ingredients**3.1 Substances** **β -Alanine, N-coco alkyl derivs.**

CAS Number: 84812-94-2

EC Number: 284-219-9

REACH Registration Number: 01-2120765112-63

Concentration: 68-71%

M factor: 1

H Statements: H318, H400

Categories: Eye Dam. 1, Aquatic Acute 1

ethanediol; ethylene glycol

CAS Number: 107-21-1

SECTION 3: Composition/information on ingredients (....)

EC Number: 203-473-3

REACH Registration Number: 01-2119456816-28-XXXX

H Statements: H302,H373,

Categories: Acute Tox. 4; STOT RE 2

Concentration: 22-27%

SECTION 4: First aid measures**4.1 Description of first aid measures**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF ON SKIN: Wash with plenty of water
- If skin irritation occurs: Get medical advice/attention.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- Seek medical advice
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes
- May cause redness and irritation
- Harmful if swallowed.
- May cause damage to the kidneys through repeated or prolonged exposure if swallowed

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
 - Immediately call a POISON CENTER or doctor/physician.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- Low hazard expected under normal conditions of use

5.3 Advice for firefighters

- Keep upwind
 - Keep container(s) exposed to fire cool, by spraying with water
 - Decomposition products may include nitrogen and carbon oxides
 - Prevent run off water from entering drains if possible
 - Wear chemical protection suit and positive-pressure breathing apparatus
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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

SECTION 6: Accidental release measures (....)

- Wear protective clothing as per section 8
- Shut off source of leak if safe to do so
- Spillage causes slippery surface
- Wash thoroughly after dealing with spillage
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Ensure adequate ventilation

6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal
- Absorb spillage in inert material and shovel up
- Place in sealable container
- Seal containers and label them
- Disposal should be in accordance with local, state or national legislation
- Wash thoroughly after dealing with spillage

6.4 Reference to other sections

- See Section 8 & 13
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SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash hands and working surfaces thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place and keep container tightly closed.
- Protect from frost
- Store locked up.

7.3 Specific end use(s)

- This surfactant is a chemical intermediate for use by professionals in chemical formulation
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters****ethanediol; ethylene glycol**

WEL (long term): 52 mg/m³
WEL (long term): 10 mg/m³ (Sk)
WEL (short term): 104 mg/m³ (Sk)
DNEL (Industry; inhalational, short term local effects): 35 mg/m³
DNEL (Industry; dermal, long term local effects): 106 mg/kg

SECTION 8: Exposure controls/personal protection (....)

PNEC (Fresh water): 10 mg/l

PNEC (Marine water): 1 mg/l

PNEC (Soil): 1.53 mg/kg

PNEC (STP): 199.5 mg/l

PNEC (Sediment; fresh water): 37 mg/kg

PNEC (Sediment; marine water): 3.7 mg/kg

8.2 Exposure controls

- BS EN PPE Codes: 166,374,13688
- Eyewash bottles should be available
- Contaminated clothing should be laundered before reuse
- No special ventilation is required unless the product is used in a spray form
- For exposure of 1 to 4 hours use gloves made of :neoprene or nitrile thickness (1.45 to 1.85 mm).Discard gloves as soon as any signs of degradation are noticed.
- Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state: liquid
- Colour: yellow
- Odour: Slight coconut odour.
- Melting point/Range: < -0 deg C
- Freezing point/Range: Not available
- Boiling Point/Range: >100 deg C
- Flammability: Not flammable
- Lower Explosive Limit: Not applicable
- Upper Explosive Limit: Not applicable
- Flashpoint: Non-combustible
- Autoignition Temperature: Not applicable
- Decomposition temperature: No information available
- pH: 7.5-8.5 at 1 % concentration
- Kinematic viscosity: max 1616: mm² /s
- Solubility in water: Partly soluble in water
- Partition Coefficient (n-Octanol/Water): Not available
- Vapour Pressure: not applicable
- Density: 0.985-0.995 g/cm³ at 20 °C
- Relative vapour density: Not classified
- Particle characteristics: Not Applicable

9.2 Other information

SECTION 9: Physical and chemical properties (....)

- No information available
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SECTION 10: Stability and reactivity**10.1 Reactivity**

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from frost

10.5 Incompatible materials

- None

10.6 Hazardous decomposition products

- No hazardous decomposition products known
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SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****ethanediol; ethylene glycol**

LD₅₀ (dermal, rabbit): 10600 mg/kg

LC₅₀ (inhalation, rat): 2.5 mg/l

Skin corrosion/irritation

Irritation to skin (rabbit) : Negative

Serious eye damage/irritation

Irritation to eyes (rabbit) : Positive

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met

Germ cell mutagenicity

No evidence of mutagenic effects

Carcinogenicity

No evidence of carcinogenic effects

Reproductive toxicity

SECTION 11: Toxicological information (....)

No evidence of reproductive effects

STOT (specific target organ toxicity) - single exposure

Based on the available data, the classification criteria are not met

STOT (specific target organ toxicity) - repeated exposure**ethanediol; ethylene glycol**

May cause damage to the kidneys through repeated or prolonged exposure if swallowed

Aspiration hazard

Based on the available data, the classification criteria are not met

11.2 Information on other hazards

- No information available
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SECTION 12: Ecological information**12.1 Toxicity** **β -Alanine, N-coco alkyl derivs.**

Aquatic plants :

EC50/LC50 (72h) Chlorella vulgaris (algae) freshwater 0.63mg/L

EC50/LC50 (72h) for Skeletoneema Costatum: 0.4mg/L (Marine)

Classified as Aquatic Acute 1,

Aquatic invertebrates

EC50/LC50(48h) for Daphnia magna: 1.2mg/L (OECD 202)

EC50/LC50(48) for Acartia tonsa: 1mg/L (ISO 14669) (Marine)

Short-term toxicity to fish:

LC50 (96h): 3.2 mg/L Oncorhynchus mykiss

LC50 (96h): 3.6 mg/L Scophthalmus maximus (Marine)

Sediment toxicity:

EC50(10 day) :102mg/l (Marine)

ethanediol; ethylene glycol

EC50 (algae) : 6500-13000 mg/l (96h)

EC₅₀ (daphnia): >100 mg/l mg/l (48 hr)

LC₅₀ (fish): 72860 mg/l (96 hr)

EC50 (Activated Sludge Inhibition): 225 mg/l 30 minutes

12.2 Persistence and degradability **β -Alanine, N-coco alkyl derivs.**

Biodegradable

ethanediol; ethylene glycol

Biodegradable

SECTION 12: Ecological information (....)**12.3 Bioaccumulative potential**

- Bioaccumulation is insignificant

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

- Not classified as a PBT or vPvB according to REACH Annex XIII

12.6 Endocrine disrupting properties

- The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

- Not known.
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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation
 - Dispose of container to a hazardous or special waste collection point
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SECTION 14: Transport information**14.1 UN number or ID number**

- Transport Mode: ADR, RID, IMDG, IATA, ADN
- UN No.: 3082

14.2 UN proper shipping name

- Transport Mode: ADR, RID, IMDG, IATA, ADN
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(contains β -Alanine, N-coco alkyl derivs.)

14.3 Transport hazard class(es)

- Transport Mode: ADR, RID, IMDG, IATA, ADN
- Hazard Class: 9

14.4 Packing group

- Transport Mode: ADR, RID, IMDG, IATA, ADN
-

SECTION 14: Transport information (....)

- Packing Group: III

14.5 Environmental hazards

- Marine Pollutant

14.6 Special precautions for user

- IMDG segregation code: None assigned
- IMDG EmS: F-A,S-F
- Hazard identification Number: 90
- Tunnel Restriction Code: 3(-)

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**

- No information available

15.2 Chemical safety assessment

- A REACH chemical safety assessment has been carried out
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-
H302: Harmful if swallowed. H318: Causes serious eye damage. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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