SAFETY DATA SHEET

In accordance with 1907/2006 annex II and 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)
Issued 2025-12-18
Version number 1.0

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

1.1. Product identifier

Trade name	QuickCool

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

Identified uses	Burn gel for first aid treatment

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company	AKLA AB Parkgatan 15 696 33 Askersund Sweden
Telephone	08-446 47 30
E-mail	ej@akla.se

Distributor

Company	Plum Safety ApS Mandelalléen 1 5610 Assens Denmark
Telephone	+45 69 16 96 00
E-mail	info@plum.eu
Website	www.plum.eu

1.4. Emergency telephone number

Phone number for emergencies: 999 or 112. The numbers are available 24/7.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Upon assessment, this mixture is not classified as hazardous according to 1272/2008

2.2. Label elements

Hazard pictogram	Not applicable
Signal word	Not applicable
Hazard statement	Not applicable
Precautionary statement	Not applicable

Supplemental hazard information

EUH208 Contains TEA TREE OIL. May produce an allergic reaction.

2.3. Other hazards

Not indicated.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
PROPANE-1,2-DIOL		
CAS No: 57-55-6 EC No: 200-338-0 REACH: 01-2119456809-23		3 - 6.99 %
TEA TREE OIL		
CAS No: 68647-73-4	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin. Sens. 1, Asp. tox. 1, Aquatic Chronic 2; H226, H302, H315, H319, H317, H304, H411	0.5 - 0.99 %
TRIETHANOLAMINE		
CAS No: 102-71-6 EC No: 203-049-8 REACH: 01-2119486482-31-0002		0.5 - 0.99 %
ETHANOL		
CAS No: 64-17-5 EC No: 200-578-6 Index No: 603-002-00-5 REACH: 01-2119457610-43	Flam. Liq. 2; H225	≤0.099 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

SECTION 4: First aid measures

4.1. Description of first aid measures

Generally

No special measures are considered to be necessary. If symptoms do occur however, call a doctor/physician.

Upon breathing in

In case of inhaling large amounts of smoke, fog or dust, flush nose, mouth and throat with water. If symptoms occur seek medical advice.

Upon eye contact

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.

Upon skin contact

Remove contaminated clothes.
Wash the skin with soap and water.
If symptoms occur, contact a physician.

Upon ingestion

First rinse the mouth thoroughly with water and SPIT OUT the rinse water. Then drink at least half a litre of water and contact a doctor if complaints persist. DO NOT induce VOMITING.

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

Upon skin contact

Allergic reactions can occur in sensitized individuals.

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

Symptomatic treatment.
Upon contact with a doctor, make sure to have the label or this safety data sheet with you.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguish with materials intended for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

5.3. Advice for firefighters

Protective measures to be taken with regard to other materials at the scene of the fire.
In case of fire use proper breathing apparatus.
Wear full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep unauthorized and unprotected people at a safe distance.
Do not inhale the product and avoid exposure to skin and eyes.
Note that there is a risk of slipping if product is leaking/spilling.
Ensure good ventilation.
Use recommended safety equipment, see section 8.

6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

6.3. Methods and material for containment and cleaning up

Smaller waste can be flushed away with water. Larger spills should be covered with sand or earth and collected. Collected material should be disposed according to Section 13.

6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Take the necessary preventive and protective measures for safe handling.
Avoid inhalation and contact with skin and eyes.
Work in order to avoid spillage. If spillage does occur, address it immediately in accordance with the directions specified in Section 6 of this safety data sheet.
Treat the substance as potentially harmful to health.
Store this product separately from food items and keep it out of the reach of children and pets.
Do not eat, drink or smoke in premises where this product is handled.
Wash your hands after using the product.
Remove contaminated clothes.
Wash contaminated clothing before reuse.
Use recommended safety equipment, see section 8.
Implement appropriate engineering controls if necessary, see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.
Take the necessary preventive and protective measures for safe storage.
Keep out of reach for children.
To be stored away from food and animal fodder and away from devices or surfaces that are in contact with those items.
Store tightly, in original packaging.
Do not store above normal room temperature.
Store in a well-ventilated area, not above eye-level.

7.3. Specific end use(s)

See identified uses in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
8.1.1. National limit values
PROPANE-1,2-DIOL
United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 150 ppm (Total (vapour and particulates)) / 474 mg/m^3 (Total (vapour and particulates))

Time-weighted-average exposure limit (TWA) 10 mg/m^3 (Particulates)

ETHANOL
United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 1000 ppm / 1920 mg/m^3

DNEL
TRIETHANOLAMINE

	Type of exposure	Route of exposure	Value
Consumer	Chronic Systemic	Inhalation	1.25 mg/m^3
Worker	Chronic Systemic	Dermal	6.3 mg/kg
Worker	Chronic Systemic	Inhalation	5 mg/m^3
Consumer	Chronic Systemic	Oral	13 mg/kg
Consumer	Chronic Systemic	Dermal	3.1 mg/kg

ETHANOL

	Type of exposure	Route of exposure	Value
Worker	Acute Local	Inhalation	1900 mg/m^3
Consumer	Chronic Systemic	Inhalation	114 mg/m^3
Worker	Chronic Systemic	Dermal	343 mg/kg bw/d
Worker	Chronic Systemic	Inhalation	950 mg/m^3
Consumer	Acute Local	Inhalation	950 mg/m^3
Consumer	Acute Local	Dermal	950 mg/m^3
Consumer	Chronic Systemic	Oral	87 mg/kg
Consumer	Chronic Systemic	Dermal	206 mg/kg bw/d

PNEC
TRIETHANOLAMINE

Environmental protection target	PNEC value
Fresh water	0.32 mg/l
Freshwater sediments	1.7 mg/kg
Marine water	0.032 mg/l
Marine sediments	0.17 mg/kg
Soil (agricultural)	0.151 mg/kg

ETHANOL

Environmental protection target	PNEC value
Fresh water	0.96 mg/l
Freshwater sediments	3.6 mg/kg
Marine water	0.79 mg/l
Marine sediments	2.9 mg/kg
Microorganisms in sewage treatment	580 mg/l
Soil (agricultural)	0.63 mg/kg

8.2. Exposure controls

The risks posed by the product or its constituents must be considered in the task specific risk assessment, in accordance with current working environment legislation. The risk assessment should be reviewed regularly and updated if necessary.

8.2.1. Appropriate engineering controls

The ventilation in the workplace must ensure an air quality that meets the requirements of the current working environment legislation. Local exhaust ventilation should be used to remove airborne contaminants at the source.

8.2.2. Individual protection measures, such as personal protective equipment

Eye/face protection

Eye protection according to standard EN166 should be worn if there is any danger of direct exposure or splashing.

Skin protection

Use suitable protective clothing.

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.

During continuous contact use gloves with a minimum breakthrough time of at least 240 minutes, preferably over 480 minutes.

The most suitable protective glove should be chosen in consultation with the glove supplier, taking into account the risk assessment for the specific task and the properties of the chemicals involved. Note that the breakthrough time of the material is affected by the duration of the exposure, temperature conditions, abrasion, etcetera.

Respiratory protection

Respiratory protective equipment is not normally required when working with this product, given that adequate ventilation is provided.

The most appropriate respiratory protective equipment should be decided in consultation with the appointed safety representative, taking into account the risk assessment for the specific task.

Based on the physical and chemical properties of the product, the following filter type(s) and/or filter combination(s) are recommended:.

– A/P2.

8.2.3. Environmental exposure controls

For limiting environmental exposure, see section 12.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(a) Physical state	solid Form: gel
(b) Colour	white
(c) Odour	mild
(d) Melting point/freezing point	Not indicated
(e) Boiling point or initial boiling point and boiling range	Not indicated
(f) Flammability	Not indicated
(g) Lower and upper explosion limit	Not indicated
(h) Flash point	Not indicated
(i) Auto-ignition temperature	Not indicated
(j) Decomposition temperature	Not indicated
(k) pH	When supplied, pH is: 4 - 7
(l) Kinematic viscosity	Not indicated
(m) Solubility	Solubility in water: Soluble
(n) Partition coefficient n-octanol/water (log value)	Not indicated
(o) Vapour pressure	Not indicated
(p) Density and/or relative density	1.0
(q) Relative vapour density	Not indicated
(r) Particle characteristics	Not indicated

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not indicated

9.2.2. Other safety characteristics

Not indicated

SECTION 10: Stability and reactivity

10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability

The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known during normal use.

10.4. Conditions to avoid

There are no known conditions to avoid.

10.5. Incompatible materials

There are no known incompatible materials.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

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

Information on possible health hazards are based on experience and / or toxicological properties of several components in the product.

Acute toxicity

The product is not classified as acutely toxic.

PROPANE-1,2-DIOL

LD50 rabbit 24h: > 10000 mg/kg Dermally
LD50 rat 24h: 1 - 34000 mg/kg Orally

TEA TREE OIL

ATEi : 1100 mg/kg Orally

TRIETHANOLAMINE

LD50 rabbit 24h: > 2000 mg/kg Dermally
LD50 rat 24h: > 16 ml/kg Dermally
LD50 rat 24h: 4190 mg/kg Orally

ETHANOL

LD50 rabbit 24h: > 20000 mg/kg Dermally
LC50 rat 4h: 124.7 mg/L Inhalation
LD50 rat 24h: 6200 mg/kg Orally

Skin corrosion/irritation

The product is not classified for skin corrosion/irritation.

Serious eye damage/irritation

The product is not classified for serious eye damage/eye irritation.

Respiratory or skin sensitisation

The product is not classified as sensitising.
May cause an allergic reaction in sensitised people.

Germ cell mutagenicity

The product is not classified as mutagen.

Carcinogenicity

The product is not classified as carcinogenic.

Reproductive toxicity

The product is not classified as a reproductive toxicant.

STOT-single exposure

The product is not classified for specific organ toxicity after single exposure.

STOT-repeated exposure

The product is not classified for specific organ toxicity after repeated exposure.

Aspiration hazard

The product is not classified as being toxic for aspiration.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information is available.

11.2.2. Other information

Not indicated.

SECTION 12: Ecological information

12.1. Toxicity

This product consists of easily degradable naturally occuring or nature identical substances, mainly obtained from renewable sources, whereby the global environmental load may be considered to be negligilbe. In the local environment minor ecological effects may occur in case of large discharge.
Prevent release on land, in water and drains.

PROPANE-1,2-DIOL

LC50 Rainbow trout (Oncorhynchus mykiss) 96h: 40613 mg/l
EC50 Freshwater water flea (Daphnia magna) 96 h: 1 - 34400 mg/L
EC50 Freshwater water flea (Daphnia magna) 48 h: 43500 mg/l
LC50 Fish 96h: 1 - 54600 mg/L
NOEC Fish 168h: 98 mg/l

TEA TREE OIL

EC50 Algae 96h: 1 - 10 mg/l
LC50 Fish 96h: 1 - 10 mg/l
LC50 Crustacea 48h: 1 - 10 mg/l

TRIETHANOLAMINE

LC50 fathead minnow (Pimephales promelas) 96h: 1 - 13000 mg/L
LC50 Freshwater water flea (Daphnia magna) 48h: 1386 mg/L
LC50 Bluegill (Lepomis macrochirus) 96h: 1 - 1000 mg/L
EC50 Freshwater water flea (Daphnia magna) 48 h: 609.88 mg/L
EC50 Algae 72 h: 0 - 100 mg/L
EC50 Freshwater water flea (Daphnia magna) 24h: > 100 mg/L
IC50 Algae 72h: 216 mg/L

ETHANOL

LC50 Rainbow trout (Oncorhynchus mykiss) 96h: 13480 mg/L
LC50 fathead minnow (Pimephales promelas) 96h: 13480 mg/L
LC50 Freshwater water flea (Daphnia magna) 48h: 5400 mg/L
EC50 Freshwater water flea (Daphnia magna) 48 h: 9268 mg/L
LC50 Ide (Leuciscus idus) 48h: 8140 mg/L
EC50 Freshwater water flea (Daphnia magna) 24h: 10800 mg/l
IC50 Algae 72h: > 10.9 mg/L
LC50 Common Bleak (Alburnus alburnus) 96h: 11000 mg/L
LC50 Rainbow trout (Oncorhynchus mykiss) 24h: 11200 mg/L
IC50 Pseudomonas (Pseudomonas putida) 16h: 6500 mg/L

12.2. Persistence and degradability

The product degrades in the natural environment.

12.3. Bioaccumulative potential

Neither this product, nor its contents, accumulates in nature.

12.4. Mobility in soil

No information is available.

12.5. Results of PBT and vPvB assessment

No information is available.

12.6. Endocrine disrupting properties

No information is available.

12.7. Other adverse effects

No information is available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste handling of the product

Avoid discharge into sewers.
The product is not classified as hazardous waste.
Empty, rinsed packaging is sent for recycling where practicable.
See directive 2008/98/EC on waste. Observe national or regional provisions on waste management.

SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

14.1. UN number or ID number

Not classified as dangerous goods

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

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

14.8 Other transport information

Not applicable

SECTION 15: Regulatory information

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

Not indicated.

15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet
Revisions of this document

This is the first version

16b. Legend to abbreviations and acronyms used in the safety data sheet
Full texts for Hazard Class and Category Code mentioned in section 3

Flam. Liq. 3	Flammable liquids, Hazard Category 3 - Flam. Liq. 3, H226 - Flammable liquid and vapour
Acute Tox. 4	Acute toxicity (oral), Hazard Category 4 - Acute Tox. 4, H302 - Harmful if swallowed
Skin Irrit. 2	Skin corrosion/irritation, Hazard Category 2 - Skin Irrit. 2, H315 - Causes skin irritation
Eye Irrit. 2	Serious eye damage/eye irritation, Hazard Category 2 - Eye Irrit. 2, H319 - Causes serious eye irritation
Skin. Sens. 1	Respiratory or skin sensitisation, Sensitisation — Skin, hazard category 1 - Skin. Sens. 1, H317 - May cause an allergic skin reaction
Asp. tox. 1	Aspiration hazard, Hazard Category 1 - Asp. tox. 1, H304 - May be fatal if swallowed and enters airways
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2 - Aquatic Chronic 2, H411 - Toxic to aquatic life with long lasting effects
Flam. Liq. 2	Flammable liquids, Hazard Category 2 - Flam. Liq. 2, H225 - Highly flammable liquid and vapour

Explanations of the abbreviations in Section 14

ADR	European Agreement concerning the International Transport of Dangerous Goods by Road
RID	Regulations concerning the International Transport of Dangerous Goods by Rail
IMDG	International Maritime Dangerous Goods Code
ICAO	International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA	The International Air Transport Association

16c. Key literature references and sources for data
Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I , as updated to 2025-12-18.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet

1907/2006	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation 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
1272/2008	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

16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I , where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI .

16e. List of relevant hazard statements and/or precautionary statements
Full texts for hazard statements mentioned in section 3

H226 Flammable liquid and vapour
H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H304 May be fatal if swallowed and enters airways
H411 Toxic to aquatic life with long lasting effects
H225 Highly flammable liquid and vapour

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment
Warning for misuse

This product can cause injuries if not used properly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

Other relevant information

Not indicated

Editorial information

This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, www.kemrisk.se