



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

LARAQUAT

Version 1.0 / EN

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

1.1 Product identifier

Trade name : LARAQUAT

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

Use of the Substance/Mixture : Cosmetic additive

1.3 Details of the supplier of the safety data sheet

Company : Arch UK Biocides
Wheldon Road
Castleford
United Kingdom
WF10 2JT

Telephone : +44 (0)1977 714200
Telefax : +44 (0)1977 714003
Responsible/issuing person : sdsbiocides@archchemicals.com
E-mail address

1.4 Emergency telephone number

Emergency telephone number : +44 (0)1235 239 670

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous solution

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Galactroarabinan Hydroxypropyltrimonium Chloride	214559-15-6			>= 50 - <= 60

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air.
Keep patient warm and at rest.
- In case of skin contact : Wash off immediately with plenty of water.
If on clothes, remove clothes.
Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : See chapter
11. Toxicological information

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local
circumstances and the surrounding environment.
Carbon dioxide (CO₂)
Water spray

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Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : The product is not flammable.
Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid contact with the skin and the eyes.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Shovel into suitable container for disposal.
: After cleaning, flush away traces with water.

6.4 Reference to other sections

Additional advice : See chapter
8. Exposure controls/personal protection
13. Disposal considerations

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep tightly closed in a dry, cool and well-ventilated place.
Do not freeze.

Advice on common storage : No special restrictions on storage with other products.

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Other data : No decomposition if stored and applied as directed.
Mix thoroughly before use.

7.3 Specific end use(s)

: Not relevant

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Provide adequate ventilation.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Lightweight protective clothing

Hygiene measures : General industrial hygiene practice.

Environmental exposure controls

General advice : No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : amber

Flash point : Note: not applicable

Lower explosion limit : Note: not applicable

Upper explosion limit : Note: not applicable

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Auto-ignition temperature	: Note: not determined
pH	: 4.0 - 6.5 at 25 °C
Melting point/freezing point	: ca. 0 °C
Boiling point/boiling range	: Note: not determined
Vapour pressure	: Note: not applicable
Density	: estimated 1 g/cm ³
Water solubility	: Note: soluble
Partition coefficient: n-octanol/water	: Note: not applicable
Solubility in other solvents	: Note: not determined
Viscosity, dynamic	: Note: not determined
Relative vapour density	: Note: not applicable
Evaporation rate	: Note: not determined

9.2 Other information

Oxidising potential	: Note: Not relevant
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SECTION 10: Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Note: No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide
Carbon dioxide (CO₂)

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Thermal decomposition : Note: None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50
LARAQUAT Dose: estimated > 5,000 mg/kg

Acute inhalation toxicity : LC50
LARAQUAT Remarks: no data available

Acute dermal toxicity : LD50 Dermal
LARAQUAT Dose: estimated > 2,000 mg/kg

Skin corrosion/irritation

Skin irritation : Remarks: Not expected to cause irritation.
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Serious eye damage/eye irritation

Eye irritation : Remarks: Not expected to cause irritation.
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Respiratory or skin sensitisation

Sensitisation : Remarks: Not believed to be sensitising to skin.
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Germ cell mutagenicity

Germ cell mutagenicity : Not believed to be mutagenic
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Carcinogenicity : Not believed to be carcinogenic
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Teratogenicity : Not believed to be reprotoxic
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Toxicology Assessment

Further information : no data available
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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish : Acute toxicity LC50
LARAQUAT Species: Fish

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Dose: estimated > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : Acute toxicity EC50
LARAQUAT : Species: Daphnia
Dose: estimated > 100 mg/l
Exposure time: 48 h
Remarks: (calculated)

12.2 Persistence and degradability

Biodegradability : Remarks: Expected to be biodegradable
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12.3 Bioaccumulative potential

Bioaccumulation : Remarks: Bioaccumulation is unlikely.
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12.4 Mobility in soil

Mobility : Remarks: no data available
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12.5 Results of PBT and vPvB assessment

LARAQUAT : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Additional ecological information : No information on ecology is available.
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.
: Dispose of in accordance with the European Directives on waste and hazardous waste.
Contaminated packaging : Dispose of as unused product.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

IATA Not dangerous goods

- 14.1 UN number : not applicable
- 14.2 Proper shipping name : not applicable
- 14.3 Transport hazard class : not applicable
- 14.4 Packing group : not applicable
- 14.5 Environmental hazards : no

IMDG Not dangerous goods

- 14.1 UN number : not applicable
- 14.2 Proper shipping name : not applicable
- 14.3 Transport hazard class : not applicable
- 14.4 Packing group : not applicable
- 14.5 Environmental hazards : Marine pollutant: no

ADR Not dangerous goods

- 14.1 UN number : not applicable
- 14.2 Proper shipping name : not applicable
- 14.3 Transport hazard class : not applicable
- 14.4 Packing group : not applicable
- 14.5 Environmental hazards : no

RID Not dangerous goods

- 14.1 UN number : not applicable
- 14.2 Proper shipping name : not applicable
- 14.3 Transport hazard class : not applicable
- 14.4 Packing group : not applicable
- 14.5 Environmental hazards : no

DOT Not dangerous goods

- 14.1 UN number : not applicable
- 14.2 Proper shipping name : not applicable
- 14.3 Transport hazard class : not applicable
- 14.4 Packing group : not applicable
- 14.5 Environmental hazards : no

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TDG	:	Not dangerous goods
14.1 UN number	:	not applicable
14.2 Proper shipping name	:	not applicable
14.3 Transport hazard class	:	not applicable
14.4 Packing group	:	not applicable
14.5 Environmental hazards	:	no
14.6 Special precautions for user	:	
Other information	:	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	:	
Remarks	:	Not relevant

SECTION 15: Regulatory information

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

Major Accident Hazard : 96/82/EC Update: 2003
Legislation : Directive 96/82/EC does not apply

Water contaminating class : WGK 1 slightly water endangering
(Germany)

15.2 Chemical Safety Assessment

not applicable

SECTION 16: Other information

Further information

LARAQUAT is a trade mark of ARCH PERSONAL CARE, L.P., USA

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.