

Octosol A-18 (E)

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

1.1 Product identifier

Trade name

Octosol A-18 (E)

Octosol A-18 E

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

Relevant identified uses of the substance or mixture

Industrial use

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Tiarco Chemical Europe GmbH
Am Gut Baarking 12
46395 Bocholt

Telephone no. +49 2871 23476-0
Fax no. +49 2871 23476-44
e-mail orders@tiarco.de

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Eye Dam. 1; H318
Repr. 1B; H360F
Skin Irrit. 2; H315

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS05



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts

Hazard statement(s)

H315 Causes skin irritation.
H318 Causes serious eye damage.
H360F May damage fertility.

Precautionary statement(s)



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- P201 Obtain special instructions before use.
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye 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.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P310 Immediately call a POISON CENTER/doctor.

Supplemental label elements
"Restricted to professional users"

2.3 Other hazards

- PBT assessment
The components of this product are not considered to be a PBT.
- vPvB assessment
The components of this product are not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

| No | Substance name | | Additional information | |
|----|--|--|------------------------|--------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | | | |
| | - 939-691-7 - 01-2119980744-26 | Eye Dam. 1; H318 Skin Irrit. 2; H315 Repr. 1B; H360F | 33.00 | %-b.w. |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|---|------------------|--------------------|
| 1 | - | Skin Irrit. 2; H315: C >= 25.5% Eye Dam. 1; H318: C >= 25.5% | - | - |

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. In case of accident or if you feel unwell, seek medical advice immediately.

After skin contact

In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse mouth thoroughly with water. Call a doctor immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Skin irritation; serious eye damage; headaches

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures



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5.1 Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings. Water spray jet; Carbon dioxide; Sand

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Nitrogen oxides (NO_x); Sulphur dioxide (SO₂); Metal oxides

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Run-off water from fire fighting must not be discharged into drains or enter surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Do not inhale vapours/aerosols.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). When picked up, treat material as prescribed under heading "Disposal considerations". Risk of slipping due to leakage/spillage of product.

6.4 Reference to other sections

Information regarding safe handling, see chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as possible by the state of the art.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Provide eye wash fountain in work area. Have emergency shower available. Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Keep from freezing. Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Appropriate Material plastic

Incompatible products

Do not store together with acids.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters



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DNEL, DMEL and PNEC values

DNEL values (worker)

| No | Substance name | | | CAS / EC no | |
|----|--|---------------------|----------|-----------------------|-------------------|
| | Route of exposure | Exposure time | Effect | Value | |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | | | - 939-691-7 | |
| | dermal | Long term (chronic) | systemic | 133.93 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 188.91 | mg/m ³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC no | |
|----|--|---------------------|----------|-----------------------|-------------------|
| | Route of exposure | Exposure time | Effect | Value | |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | | | - 939-691-7 | |
| | oral | Long term (chronic) | systemic | 1.79 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 80.36 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 55.9 | mg/m ³ |

PNEC values

| No | Substance name | | CAS / EC no | |
|----|--|-----------------------|-----------------------|------------------|
| | ecological compartment | Type | Value | |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | | - 939-691-7 | |
| | water | fresh water | 10 | µg/L |
| | water | Aqua intermittent | 100 | µg/L |
| | water | marine water | 1 | µg/L |
| | water | fresh water sediment | 1.556 | mg/kg dry weight |
| | water | marine water sediment | 0.156 | mg/kg dry weight |
| | soil | - | 0.305 | mg/kg dry weight |
| | sewage treatment plant | - | 10 | mg/L |

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| |
|--------------------|
| Form/Colour |
| liquid, viscous |
| yellow |
| Odour |



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| characteristic | | | |
|--|---|---------|-----------|
| Odour threshold | | | |
| No data available | | | |
| pH value | | | |
| Value | 7 | - | 8 |
| Source | supplier | | |
| Boiling point / boiling range | | | |
| No data available | | | |
| Melting point / melting range | | | |
| Value | 20 | - | 30 °C |
| Source | supplier | | |
| Decomposition point / decomposition range | | | |
| No data available | | | |
| Flash point | | | |
| No data available | | | |
| Ignition temperature | | | |
| Not applicable | | | |
| Auto-ignition temperature | | | |
| Not applicable | | | |
| Source | supplier | | |
| Oxidising properties | | | |
| Not applicable | | | |
| Explosive properties | | | |
| Not applicable | | | |
| Flammability (solid, gas) | | | |
| No data available | | | |
| Lower flammability or explosive limits | | | |
| No data available | | | |
| Upper flammability or explosive limits | | | |
| No data available | | | |
| Vapour pressure | | | |
| No data available | | | |
| Vapour density | | | |
| No data available | | | |
| Evaporation rate | | | |
| No data available | | | |
| Relative density | | | |
| No data available | | | |
| Density | | | |
| Value | 0.9 | kg/l | |
| Reference temperature | 20 | °C | |
| Source | supplier | | |
| Solubility in water | | | |
| Value | 5 | g/l | |
| Source | supplier | | |
| Solubility(ies) | | | |
| No data available | | | |
| Partition coefficient: n-octanol/water | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| log Pow | | -4.546 | |
| Reference temperature | | 20 | °C |
| Method | OECD 107 | | |

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Source | ECHA

| |
|-------------------|
| Viscosity |
| No data available |

9.2 Other information

| |
|--------------------------|
| Other information |
| No data available. |

SECTION 10: Stability and reactivity**10.1 Reactivity**

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat; Keep from freezing. Protect from sun.

10.5 Incompatible materials

strong acids

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

| Acute oral toxicity | | | |
|----------------------------|---|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| LD50 | | 3640 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 401 | | |
| Source | ECHA | | |

| Acute dermal toxicity | | | |
|------------------------------|---|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| LD50 | > | 2000 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 402 | | |
| Source | ECHA | | |

| Acute inhalational toxicity | |
|------------------------------------|--|
| No data available | |

| Skin corrosion/irritation | |
|----------------------------------|--|
| No data available | |

| Serious eye damage/irritation | |
|--------------------------------------|--|
| No data available | |

| Respiratory or skin sensitisation | | | |
|--|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| Route of exposure | Skin | | |
| Species | guinea pig | | |
| Method | OECD 406 | | |
| Source | ECHA | | |
| Evaluation | non-sensitizing | | |



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| Germ cell mutagenicity | | | |
|---------------------------|---|---|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| Type of examination | | in vitro gene mutation study in bacteria | |
| Species | | Salmonella typhimurium TA98, TA100, TA102, TA1535, TA1537 | |
| Method | | OECD 471 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | In vitro mammalian cytogenicity | |
| Species | | Human Lymphocyte | |
| Method | | OECD 487 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | in vitro gene mutation study in mammalian cells | |
| Species | | Chinese hamster V79 cells | |
| Method | | OECD 476 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| Reproduction toxicity | |
|-----------------------|--|
| No data available | |

| Carcinogenicity | |
|-------------------|--|
| No data available | |

| STOT - single exposure | |
|------------------------|--|
| No data available | |

| STOT - repeated exposure | | | |
|---------------------------|---|---|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| Route of exposure | | oral | |
| Species | | rat | |
| Method | | OECD 408, OECD 422 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| Aspiration hazard | |
|-------------------|--|
| No data available | |

SECTION 12: Ecological information

12.1 Toxicity

| Toxicity to fish (acute) | | | |
|--------------------------|---|---------------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| LC50 | | > | 100 mg/l |
| Duration of exposure | | 96 | h |
| Species | | Oncorhynchus mykiss | |
| Method | | OECD 203 | |
| Source | | ECHA | |

| Toxicity to fish (chronic) | |
|----------------------------|--|
| No data available | |

| Toxicity to Daphnia (acute) | | | |
|-----------------------------|---|---------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| EC50 | | 10 | mg/l |
| Duration of exposure | | 48 | h |
| Species | | Daphnia magna | |
| Method | | OECD 202 | |



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| | |
|--------|------|
| Source | ECHA |
|--------|------|

| |
|--------------------------------------|
| Toxicity to Daphnia (chronic) |
| No data available |

| Toxicity to algae (acute) | | | |
|----------------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| EC50 | > | 61 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Desmodesmus subspicatus | | |
| Method | OECD 201 | | |
| Source | ECHA | | |

| |
|------------------------------------|
| Toxicity to algae (chronic) |
| No data available |

| |
|--------------------------|
| Bacteria toxicity |
| No data available |

12.2 Persistence and degradability

| Biodegradability | | | |
|-------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| Value | | 69 | % |
| Duration | | 28 | day(s) |
| Method | OECD 301 F | | |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |

12.3 Bioaccumulative potential

| Partition coefficient: n-octanol/water | | | |
|---|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Butanoic acid, 4-amino-4-oxo-2(or 3)-sulfo-,N-(C16-C18 (even numbered), C18 unsaturated alkyl)), disodium salts | - | 939-691-7 |
| log Pow | | -4.546 | |
| Reference temperature | | 20 | °C |
| Method | OECD 107 | | |
| Source | ECHA | | |

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

| | |
|---|---|
| Results of PBT and vPvB assessment | |
| PBT assessment | The components of this product are not considered to be a PBT. |
| vPvB assessment | The components of this product are not considered to be a vPvB. |

12.6 Other adverse effects

No data available.

12.7 Other information

| |
|--|
| Other information |
| Do not discharge product unmonitored into the environment. |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
dispose of in accordance with local regulation.

Packaging

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Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information
14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulations
Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

| | |
|---|------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII. | No 3 |
|---|------|

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

National regulations
Other regulations

DOC-Elimination for surfactants of 80 % in 7 days is not fulfilled (german wastewater regulation AbwV, Annex 38).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information
Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

UMCO GmbH



Octosol A-18 (E)

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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