

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Arc Sugar Soap Liquid Concentrate  
Product code : V0000000

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Washing and cleaning product

##### 1.2.2. Uses advised against

Restrictions on use : Cosmetics, personal care products

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Arc Building Products  
IDA Business & Technology Park  
Ballynattin  
Arklow  
Co. Wicklow  
Ireland  
+353 (0)402 32370  
[sales@arcbuildingproducts.ie](mailto:sales@arcbuildingproducts.ie)

#### 1.4. Emergency telephone number

Emergency number : +353 (0)402 32370  
(Office hours only)  
NHS 111 - General Public (24 Hour service)

Country	Organisation/Company	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)

Also, in the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P101 – If medical advice is needed, have product container or label at hand.  
P102 – Keep out of reach of children.  
P103 – Read carefully and follow all instructions.  
P501 – Dispose of contents and container in accordance with all local, regional, national and international regulations.

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



EUH-statements : EUH210: Safety data sheet available on request.  
Extra labelling phrases : Contains: less than 5%: NTA (nitrilotriacetic acid) and salts thereof, anionic surfactants, BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
trisodium nitrilotriacetate	CAS-No.: 5064-31-3 EC-No.: 225-768-6 EC Index-No.: 607-620-00-6 EU REACH Registration No.: 01-2119519239-36-XXXX	1 – < 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Carc. 2, H351
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	CAS-No.: 68411-30-3 EC-No.: 270-115-0 EU REACH Registration No.: 01-2119489428-22-XXXX	0.1 - < 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium hydroxide (substance with a UK workplace exposure limit)	CAS-No.: 1310-73-2 EC-No.: 215-185-5 Index-No.: 011-002-00-6 EU REACH Registration No.: 01-2119457892-27-XXXX	< 0.1	Met. Corr. 1 - H290 Skin Corr. 1A - H314

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
trisodium nitrilotriacetate	CAS-No.: 5064-31-3 EC-No.: 225-768-6 EC Index-No.: 607-620-00-6	( 5 $\leq$ C $\leq$ 100) Carc. 2, H351
Sodium hydroxide	CAS-No.: 1310-73-2 EC-No.: 215-185-5 Index-No.: 011-002-00-6 EU REACH Registration No.: 01-2119457892-27-XXXX	( 0.5 $\leq$ C < 2) Eye Irrit. 2, H319 ( 5 $\leq$ C $\leq$ 100) Skin Corr. 1A, H314 ( 2 $\leq$ C < 5) Skin Corr. 1B, H314 ( 0.5 $\leq$ C < 2) Skin Irrit. 2, H315

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell. Non hazardous mixture.

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



First-aid measures after inhalation	: Inhalation unlikely. Get medical advice/attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should give oxygen.
First-aid measures after skin contact	: Take off contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Remove any contact lenses and open eyelids wide apart. Rinse opened eye for several minutes under running water. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. If the person is fully conscious, make him/her drink plenty of water. Never give an unconscious person anything to drink. Do not induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Sore throat.
Symptoms/effects after skin contact	: Prolonged or repeated contact may dry skin and cause irritation. Rednesses.
Symptoms/effects after eye contact	: Eye irritation. Redness, pain.
Symptoms/effects after ingestion	: Sore throat. Rednesses.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing agent suitable for surrounding fire.
Unsuitable extinguishing media	: None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Control run-off water by containing and keeping it out of sewers and watercourses.
Explosion hazard	: None known.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire	: Avoid breathing (dust, vapor, mist, gas).
Firefighting instructions	: Cool laterally with water containers exposed to flames, even after the fire is extinguished.
Protection during firefighting	: Wear fire/flame resistant/retardant clothing. In confined space use self-contained breathing apparatus. Full face piece respirator.
Other information	: Keep run-off water out of sewers and water sources. Containers close to fire should be removed or cooled with water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment	: See section 8 of the SDS for more information on personal protective equipment.
Measures in case of dust release	: Not applicable.

#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: For further information refer to section 8: "Exposure controls/personal protection". More detailed information: See section 11. For disposal of residues refer to section 13 : Disposal considerations " ".

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



### 6.2. Environmental precautions

Do not discharge into drains or the environment. Do not allow to enter drains or water courses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.3. Methods and material for containment and cleaning up

- For containment : Turn leaking containers leak-side up to prevent the escape of liquid.  
Methods for cleaning up : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Wash contaminated area with large amounts of water.  
Other information : See Section 13 for disposal information.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Read label before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid contact with skin and eyes.  
Hygiene measures : Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store tightly closed in a dry, cool and well-ventilated place. Keep only in original container. Protect from freezing. Keep out of direct sunlight. Store away from acids.  
Storage temperature : 5 – 30 °C

### 7.3. Specific end use(s)

Washing and cleaning product (see Section 1.2). Keep out of reach of children. Apply "common sense" measures when handling this product. Always follow on pack instructions when using this product. Keep containers closed when not in use. Where possible avoid prolonged contact with the skin. People with sensitive skin should wear rubber protective gloves.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Sodium hydroxide (1310-73-2)		
Republic of Ireland – Occupational Exposure Limit (OEL)		
OEL STEL (15 min)	2 mg/m <sup>3</sup>	(Chemical Agents Code of Practice 2020)
United Kingdom – Occupational Exposure Limit (OEL)		
OEL STEL (15 min)	2 mg/m <sup>3</sup> (can be absorbed through the skin)	(EH40/2005)

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



### 8.1.4. DNEL and PNEC

<b>Trisodium Nitrilotriacetate (CAS: 5064-31-3)</b>	
<b>DNEL/DMEL (Workers)</b>	
Short-term - systemic effects, inhalation	5.25 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	3.5 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, inhalation	1.75 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	930 µg/l
PNEC aqua (marine water)	93 µg/l
PNEC aqua (intermittent, freshwater)	915 µg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	3.64 mg/kg dw
PNEC sediment (marine water)	0.364 m/kg dw
<b>PNEC (Soil)</b>	
PNEC soil	0.182 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	540 mg/l

<b>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	119 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	7.6 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, inhalation	1.3 mg/m <sup>3</sup>
Long-term – systemic effects, oral	0.425 mg/kg bodyweight/day
Long-term - systemic effects, dermal	42.5 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	268 µg/l
PNEC aqua (marine water)	26.8 µg/l
PNEC aqua (intermittent, freshwater)	16.7 µg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	8.1 mg/kg dw
PNEC sediment (marine water)	6.8 mg/kg dw
<b>PNEC (Soil)</b>	
PNEC soil	35 mg/kg dwt

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

#### PNEC (STP)

PNEC sewage treatment plant	3.43 mg/l
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### Sodium hydroxide (1310-73-2)

#### DNEL/DMEL (Workers)

Short-term - local effects, dermal	2 mg/kg bodyweight/day
Short-term - local effects, inhalation	2 mg/m <sup>3</sup>
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>
Short-term - systemic effects, inhalation	9.6 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	3.2 mg/m <sup>3</sup>

#### DNEL/DMEL (General population)

Short-term - systemic effects, inhalation	2.4 mg/m <sup>3</sup>
Short-term – systemic effects, oral	0.9 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.8 mg/m <sup>3</sup>
Long-term – systemic effects, oral	0.3 mg/kg bodyweight/day
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>

#### PNEC (Water)

PNEC aqua (freshwater)	930 µg/l
PNEC aqua (marine water)	93 µg/l
PNEC aqua (intermittent, freshwater)	800 µg/l

#### PNEC (STP)

PNEC sewage treatment plant	270 mg/l
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#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

General ventilation.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Do not attempt to take action without suitable protective equipment. Appropriate engineering controls.

##### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



Eye protection			
Type	Field of application	Characteristics	Standard
Use splash goggles when eye contact due to splashing is possible	Droplet	With side shields	EN 166

### 8.2.2.2. Skin protection

#### Skin and body protection:

Not required for normal conditions of use

#### Hand protection:

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes. Gloves

#### Other skin protection

#### Materials for protective clothing:

Not required for normal conditions of use

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

No respiratory protection needed under normal use conditions

### 8.2.2.4. Thermal hazards

#### Thermal hazard protection:

Not applicable.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Keep container closed when not in use. Do not allow into drains or water courses.

#### Other information:

Always wash hands after handling the product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Appearance	: Coloured liquid.
Odour	: Detergent liquids.
Odour threshold	: Not available
Melting point/ Freezing point	: Not applicable.
Boiling point	: 100 °C
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable. / Water Based
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available.
pH	: 10 – < 11.5
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 29 – 34 Seconds (B2 FLOW CUP)
Solubility	: soluble in water. Insoluble in organic solvents.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not applicable.
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 0.995 – 1.055 @ 15°C
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



Explosive properties : Not considered explosive based on chemical structure and oxygen balance considerations.  
Oxidising properties : Not considered oxidising based on chemical structure considerations.  
Evaporation Rate : Not Available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : Not relevant.  
Volatility : Water based.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use apart from neutralisation reactions with acids.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

### 10.4. Conditions to avoid

High temperature. Direct sunlight. Freezing.

### 10.5. Incompatible materials

No dangerous reactions known under normal conditions of use apart from acids.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. In case of fire, irritating and toxic fumes come free.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Based on available data, the classification criteria are not met.  
Acute toxicity (dermal) : Based on available data, the classification criteria are not met.  
Acute toxicity (inhalation) : Based on available data, the classification criteria are not met.

Arc Sugar Soap Liquid Concentrate		
ATE <sub>MIXTURE</sub> Oral	> 2000	(Calculated)

trisodium nitrilotriacetate (5064-31-3)		
LD50 oral	1450 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LD50 dermal	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)		
LD50 oral	1080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LD50 dermal	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



Skin corrosion/irritation : Based on available data, the classification criteria are not met.  
pH: 10 – < 11.5

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

Causes skin irritation (based on severity from mean scores), Animal: Rabbit, Guideline: OECD Guideline 404

### Sodium hydroxide (1310-73-2)

Causes severe skin burns and eye damage (from Part 3 of Annex VI from CLP)

Serious eye damage/irritation : Based on available data, the classification criteria are not met.  
pH: 10 – < 11.5

### trisodium nitrilotriacetate (5064-31-3)

Causes serious eye irritation (from Part 3 of Annex VI from CLP)

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

Causes serious eye damage (based on severity from mean scores and irreversible damage seen), Animal: Rabbit, Guideline: OECD Guideline 405

### Sodium hydroxide (1310-73-2)

Causes severe skin burns and eye damage (from Part 3 of Annex VI from CLP)

Respiratory or skin sensitisation : Based on available data, the classification criteria are not met.  
Germ cell mutagenicity : Based on available data, the classification criteria are not met.  
Carcinogenicity : Based on available data, the classification criteria are not met.

### trisodium nitrilotriacetate (5064-31-3)

NOAEL (chronic, oral, animal/male, 2 years)	100 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Remarks on results: other:
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Reproductive toxicity : Based on available data, the classification criteria are not met.  
STOT-single exposure : Based on available data, the classification criteria are not met.  
STOT-repeated exposure : Based on available data, the classification criteria are not met.

### trisodium nitrilotriacetate (5064-31-3)

NOAEL (oral, rat, 90 days)	9 mg/kg bodyweight Animal: rat, Animal sex: male
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NOAEL (dermal, rat/rabbit, 90 days)	50 mg/kg bodyweight Animal: rabbit
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### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

LOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Remarks on results: other:
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NOAEL (oral, rat, 90 days)	85 mg/kg bodyweight Animal: rat, Remarks on results: other:
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Aspiration hazard : Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### 11.2.1 Endocrine Disrupting Properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### 11.2.2 Other Information

No additional information available.

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Based on available data, the classification criteria are not met.

Hazardous to the aquatic environment, long-term (chronic) : Based on available data, the classification criteria are not met.

Not rapidly degradable

#### trisodium nitrilotriacetate (5064-31-3)

LC50 96h - Fish	103 & 125 mg/l Test organisms (species): Pimephales promelas, Guideline: APHA (1971) Standard Methods 13th ed.
EC50 48h - Daphnia magna	> 780 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [2]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC 224d - Fish	> 54 mg/l Test organisms (species): Pimephales promelas

#### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

LC50 - Fish [1]	1.67 mg/l Test organisms (species): Lepomis macrochirus
LC50 - Fish [2]	2.88 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	2.9 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae	7.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae	29 mg/l Test organisms (species): Pseudokirchneriella subcapitata
NOEC (chronic)	1.18 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.23 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '72 d'
LC50 - Fish [1]	1.67 mg/l Test organisms (species): Lepomis macrochirus

#### 12.2. Persistence and degradability

##### Arc Sugar Soap Liquid Concentrate

Persistence and degradability of Mixture	No information available
Persistence and degradability of trisodium nitrilotriacetate (5064-31-3)	50% degradation (DOC Removal) at 9 d and 100% degradation (DOC Removal) at 14 d Guideline: OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test) 96% degradation (DOC Removal) at 28 d, Guideline: OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test) 90 - 100% degradation (DOC Removal) at 7 d, Guideline: OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test) Conclusion: trisodium nitrilotriacetate is readily biodegradable

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



### Arc Sugar Soap Liquid Concentrate

Persistence and degradability of Surfactants	The surfactant(s) contained in this product comply with the biodegradability criteria as laid down in The Detergents Regulations (as amended). Biodegradability for Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: 83% degradation (CO2 Evolution) within 28 d, Guideline: OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) & > 98% degradation (CO2 Evolution) at 28 d, Guideline: OECD Guideline 301 D (Biodegradation Closed Bottle Test)
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### 12.3. Bioaccumulative potential

#### Arc Sugar Soap Liquid Concentrate

Bioaccumulative potential of Mixture	No information available
Bioaccumulative potential of Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	BCF = 2 – 1000 L/kg Guideline: OECD Guideline 305 E (Bioaccumulation: Flow-through Fish Test). Results show that the bioconcentration potential of substance is low
Bioaccumulative potential of trisodium nitrilotriacetate (5064-31-3)	Has a low log Kow (-13.2 at pH 7), is highly water-soluble and is readily biodegradable, which suggests that this substance is not expected to accumulate in biological tissues or bioaccumulate in foodwebs.
Bioaccumulative potential of sodium hydroxide (1310-73-2)	Considering its high water solubility, NaOH is not expected to bioconcentrate in organisms. Log Pow is not applicable for an inorganic compound that dissociates. In addition, sodium is a naturally-occurring element that is prevalent in the environment and to which organisms are exposed regularly, for which they have some capacity to regulate the concentration in the organisms (via homeostatic mechanisms).

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Contains no PBT/vPvB substances  $\geq$  0.1% assessed in accordance with REACH Annex XIII

### 12.6. Endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### 12.7. Other adverse effects

No other adverse effects are known as of yet for this mixture or any substances contained in this mixture

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

This product is not classified as Hazardous Waste as it is supplied.  
Waste generation should be avoided or minimised where possible. When handling waste, the safety precautions applying to handling of the product should be considered. Label the containers containing waste and remove from the area as soon as possible. Label the containers containing waste contaminated material and remove from the area as soon as possible.  
Product disposal to sewer should be avoided, if possible, and only be carried out after treatment, and under relevant rules, e.g. Consent to Discharge. Where wastes undergo disposal, external recovery or treatment, it must comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. If wastes undergo incineration, they must be suitable for it at an approved facility.  
Used packaging waste should be reused or recycled, if uncontaminated. Contaminated packaging should be cleaned on site, if appropriate facilities exist, including any relevant rules or permits, or offsite by a specialist provider. Contaminated packaging which cannot be safely cleaned must be treated in the same way as the product, and should only be disposed of as a last resort. List of waste code is 20 01 30 - detergents other than those mentioned in 20 01 29. These codes have been assigned based on the actual composition of the product as supplied. Seek advice from a hazardous/non-hazardous waste specialist for waste classification.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### 14.6. Special precautions for user

##### Overland transport

Not applicable

##### Transport by sea

Not applicable

##### Air transport

Not applicable

##### Inland waterway transport

Not applicable

##### Rail transport

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/09/2023 Version: 1.0



### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

###### VOC Directive (2004/42)

VOC content : Not relevant.

###### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

###### Detergent Regulation ((EC) No 648/2004

Product is under the scope of this regulation.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has taken place for this mixture.

### SECTION 16: Other information

#### Indication of changes:

Due to change of classification database the revision numbering has been reset. You should therefore look at the revision date rather than the revision number to ensure you have the most up to date version.

Full text of H- and EUH-statements:	
Met. Corr. 1	May be corrosive to metals
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals
H302	Harmful if swallowed.

# Arc Sugar Soap Liquid Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
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### Full text of H- and EUH-statements:

H314	Causes severe skin burns and eye damage
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

### Indication of changes:

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Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.