

SAFETY DATA SHEET

Break-Free

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

1.1. Product identifier

Product name Break-Free

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

Identified uses PC35 Washing and cleaning products

1.3. Details of the supplier of the safety data sheet

Supplier Aztec Chemicals
Unit 16, University Way
Orion Park
Crewe
Cheshire
CW1 6NG
+ 44 (0) 1270 655500 (T)
+ 44 (0) 1270 655501 (F)
info@aztecchemicals.com

1.4. Emergency telephone number

Emergency telephone (44) 1270 655500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards Not Classified

Human health May irritate eyes. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Environmental The product is not expected to be hazardous to the environment.

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements P102 Keep out of reach of children.
P501 Dispose of contents/ container in accordance with local regulations.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Detergent labelling 5 - < 15% anionic surfactants, 5 - < 15% non-ionic surfactants

2.3. Other hazards

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This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

sodium lauryl ether sulphate	5-10%
CAS number: 91648-56-5	EC number: 293-918-8
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
CITRIC ACID ANHYDROUS	5-10%
CAS number: 77-92-9	EC number: 201-069-1
	REACH registration number: 01-2119457026-42
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Alcohol Ethoxylate	5-10%
CAS number: 68439-46-3	REACH registration number: N/A
Classification	
Acute Tox. 4 - H302	
Eye Irrit. 2 - H319	
OXALIC ACID	5-10%
CAS number: 144-62-7	EC number: 205-634-3
Classification	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
THIOGLYCOLIC ACID	<1%
CAS number: 68-11-1	EC number: 200-677-4
Classification	
Acute Tox. 3 - H301	
Acute Tox. 3 - H311	
Acute Tox. 3 - H331	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	

The full text for all hazard statements is displayed in Section 16.

Composition comments This is a cosmetic product and as such is not regulated by CLP. This product is classified according to EC 1223/2009.

SECTION 4: First aid measures

4.1. Description of first aid measures

Break-Free

Inhalation	Unlikely route of exposure as the product does not contain volatile substances.
Ingestion	Rinse mouth thoroughly with water.
Skin contact	Rinse immediately with plenty of water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information	Immediate effects can be expected after short-term exposure.
Inhalation	Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.
Ingestion	There may be soreness and redness of the mouth and throat. May cause stomach pain or vomiting.
Skin contact	There may be mild irritation at the site of contact.
Eye contact	There may be irritation and redness. The eyes may water profusely. Irritating and may cause redness and pain. May cause blurred vision and serious eye damage.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire. Use water spray to cool containers.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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5.3. Advice for firefighters

Protective actions during firefighting	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Avoid contact with skin and eyes.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Turn leaking containers leak-side up to prevent the escape of liquid. Keep unnecessary and unprotected personnel away from the spillage.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Store in a demarcated bunded area to prevent release to drains and/or watercourses.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Avoid direct contact with the substance. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours and spray/mists.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

OXALIC ACID

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

THIOGLYCOLIC ACID

Long-term exposure limit (8-hour TWA): WEL 1 ppm 3.8 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Personal protection

When using do not smoke

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Provide eyewash station and safety shower.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear protective clothing.

Hygiene measures

Wash hands after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

Self-contained breathing apparatus (SCBA) must be available in case of emergency.

Environmental exposure controls

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Odour

Characteristic.

pH

pH (concentrated solution): 3

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Initial boiling point and range > 35°C @

Flash point > 93°C

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable at normal ambient temperatures and when used as recommended.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Does not decompose when used and stored as recommended. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid Avoid heat.

10.5. Incompatible materials

Materials to avoid Keep away from oxidising materials, heat and flames. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 4,644.42

Acute toxicity - dermal

ATE dermal (mg/kg) 16,097.56

Acute toxicity - inhalation

ATE inhalation (gases ppm) 140,000.0

ATE inhalation (vapours mg/l) 600.0

ATE inhalation (dusts/mists mg/l) 100.0

Inhalation Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.

Ingestion There may be soreness and redness of the mouth and throat. Nausea, vomiting. Stomach pain.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. The eyes may water profusely. May cause blurred vision and serious eye damage.

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Acute and chronic health hazards Immediate effects can be expected after short-term exposure.

Target organs Skin Eyes

Toxicological information on ingredients.

CITRIC ACID ANHYDROUS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,000.0

Species Rat

ATE oral (mg/kg) 3,000.0

Alcohol Ethoxylate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,378.0

Species Rat

ATE oral (mg/kg) 1,378.0

OXALIC ACID

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 375.0

Species Rat

ATE oral (mg/kg) 375.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 200,000.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

THIOGLYCOLIC ACID

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 114.0

Species Rat

ATE oral (mg/kg) 114.0

SECTION 12: Ecological Information

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

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Toxicity Not available.

Ecological information on ingredients.

CITRIC ACID ANHYDROUS

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 500 mg/l, Fish

Alcohol Ethoxylate

Acute aquatic toxicity

Acute toxicity - fish EC₅₀, 96 hours: 8.5 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, <24 hours: 5.36 mg/l, Ceriodaphnia dubia (water flea)
EC₅₀, 48 hours: 2.686 mg/l, Daphnia magna

OXALIC ACID

Acute aquatic toxicity

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 137 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 80-790 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

Ecological information on ingredients.

Alcohol Ethoxylate

Biodegradation - 76%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No potential for bioaccumulation.

12.4. Mobility in soil

Mobility Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Transfer to a suitable container and arrange for collection by a specialised disposal company.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

Break-Free

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). EH40/2005 Workplace exposure limits.
EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	This is the first issue.
Revision date	10/04/2018
Revision	1
SDS number	21408
SDS status	Approved.

Break-Free

Hazard statements in full

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.