



SAFETY DATA SHEET CAFLON CC55/A

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

1.1. Product identifier

Product name CAFLON CC55/A

Product number 10395

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

Identified uses Detergent.

1.3. Details of the supplier of the safety data sheet

Supplier Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
sds@univar.com
+44 1274 267306

1.4. Emergency telephone number

Sds No. 10395

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Elicitation - EUH208

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) Xi;R38,R41.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements
H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

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Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P501 Dispose of contents/container in accordance with national regulations.

Contains

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERSIV SODIUM SALTS, C13-15 ALCOHOL ETHOXYLATE 7EO, AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERSIV SODIUM SALTS		30-60%
CAS number: 68411-30-3	EC number: 270-115-0	REACH registration number: 01-2119489428-22
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xn; R22, Xi; R38, R41	
C13-15 ALCOHOL ETHOXYLATE 7EO		5-10%
CAS number: 157627-86-6		
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xn; R22, Xi; R41, N; R50	
AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)		5-10%
CAS number: —	EC number: 931-329-6	REACH registration number: 01-2119490100-53
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xi; R41, R38, N; R51/53	

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1,2-BENZISOTHIAZOL-3(2H)-ONE		<0.1%
CAS number: 2634-33-5	EC number: 220-120-9	
M factor (Acute) = 10		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn; R22. Xi; R41, R38. N; R50. R43	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Aquatic Acute 1 - H400		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues. Do not induce vomiting.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
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 immediately. Continue to rinse.

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

Skin contact	Skin irritation.
Eye contact	Causes serious eye damage. May cause permanent damage if eye is not immediately irrigated.

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.
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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. Nitrous gases (NOx).
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5.3. Advice for firefighters

Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Avoid contact with skin and eyes. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Avoid inhalation of vapours/spray and contact with skin and eyes.

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.

Storage class Chemical storage.

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

Ingredient comments No exposure limits known for ingredient(s).

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS (CAS: 68411-30-3)

DNEL

- Industry - Inhalation; Long term systemic effects: 12 mg/m³
- Industry - Inhalation; Long term local effects: 12 mg/m³
- Industry - Dermal; Long term systemic effects: 170 mg/kg/day
- Consumer - Inhalation; Long term systemic effects: 3 mg/m³
- Consumer - Inhalation; Long term local effects: 3 mg/m³
- Consumer - Dermal; Long term systemic effects: 85 mg/kg/day
- Consumer - Oral; Long term systemic effects: 0.85 mg/kg/day

PNEC

- Fresh water; 0.268 mg/l
- Marine water; 0.0268 mg/l
- Intermittent release; 0.0167 mg/l
- STP; 3.43 mg/l
- Sediment (Freshwater); 8.1 mg/kg
- Sediment (Marinewater); 8.1 mg/kg
- Soil; 35 mg/kg

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

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DNEL

Industry - Dermal; Long term systemic effects: 4.16 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 73.4 mg/m³
 Consumer - Dermal; Long term systemic effects: 2.5 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 21.73 mg/m³
 Consumer - Oral; Long term systemic effects: 6.25 mg/kg/day

PNEC

- Fresh water; 0.007 mg/l
 - Marine water; 0.0007 mg/l
 - Intermittent release; 0.0024 mg/l
 - STP; 830 mg/l
 - Soil; 0.0189 mg/l
 - Sediment; 0.0424 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Provide eyewash station and safety shower.

Eye/face protection

The following protection should be worn: Chemical splash goggles. EN 166

Hand protection

Use protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. Rubber (natural, latex). Nitrile rubber. Polyvinyl chloride (PVC). EN 374

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash contaminated clothing before reuse. Wash promptly if skin becomes contaminated. Eating, smoking and water fountains prohibited in immediate work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/145/143/149

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid. Gel.
Colour	Amber.
Odour	Mild.
pH	pH (diluted solution): ~ 9.5 @ 10%
Melting point	< 0°C
Initial boiling point and range	> 100°C
Flash point	> 100°C CC (Closed cup).
Upper/lower flammability or explosive limits	Data lacking.
Vapour pressure	Data lacking.
Vapour density	Data lacking.

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Relative density	1.04 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Data lacking.
Decomposition Temperature	> 60°C
Viscosity	2500 cP @ 20°C
Explosive properties	There are no chemical groups present in the product that are associated with explosive properties.
Oxidising properties	There are no chemical groups present in the product that are associated with oxidising properties.

9.2. Other information

Other information	Not determined.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidising agents.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Irritating to skin.
Eye contact	Causes serious eye damage.

Toxicological information on ingredients.

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS

Acute toxicity - oral

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Acute toxicity oral (LD₅₀ mg/kg) 1,080.0

Species Rat

ATE oral (mg/kg) 1,080.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rat

Skin corrosion/irritation

Animal data Severe irritation.

Serious eye damage/irritation

Serious eye damage/irritation Severe irritation.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative. This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity Scientifically unjustified.

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOEL 350 mg/kg, Oral, Rat F2a

Reproductive toxicity - development Teratogenicity: - NOEL: 300 mg/kg, Oral, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOEL 125 mg/kg, Oral, Rat

Target organs Spleen Heart & cardiovascular system Liver

Aspiration hazard

Aspiration hazard Not relevant.

Inhalation Dust may irritate the respiratory system.

Ingestion Harmful if swallowed. May cause discomfort if swallowed.

Skin contact Irritating to skin.

Eye contact Risk of serious damage to eyes.

SECTION 12: Ecological Information

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Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity No information available.

Ecological information on ingredients.

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERVIS SODIUM SALTS

Acute toxicity - fish LC50, 96 hours, 96 hours: 1.67 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours, 48 hours: 2.9 mg/l, Daphnia magna

Chronic toxicity - fish early life stage NOEC, 28 days, 28 days: 1 mg/l, Lepomis macrochirus (Bluegill)

Short term toxicity - embryo and sac fry stages NOEC, : 0.23 mg/l, Onchorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates NOEC, 21 days, 21 days: 1.18 mg/l, Daphnia magna
EC₅₀, 21 days, 21 days: 1.67 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Ecological information on ingredients.

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERVIS SODIUM SALTS

Persistence and degradability The substance is readily biodegradable.

Biodegradation - Degradation (%) 85: 29 days
OCED 301B

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERVIS SODIUM SALTS

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: 3.32

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERVIS SODIUM SALTS

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Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects No information required.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste.

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

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

14.1. UN number

No information required.

14.2. UN proper shipping name

No information required.

14.3. Transport hazard class(es)

No information required.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

No information required.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information required.

SECTION 15: Regulatory information

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

EU legislation 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) (as amended).
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 (as amended).

Guidance CESIO

15.2. Chemical safety assessment

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Not applicable.

SECTION 16: Other information**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.**Revision date** 17/08/2015**Revision** 08**Supersedes date** 26/10/2012**SDS number** 10395**SDS status** Approved.**Risk phrases in full**
R22 Harmful if swallowed.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.**Hazard statements in full**
EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.**TURKISH SIGNATURE**