



SAFETY DATA SHEET CAFLON BT25

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

1.1. Product identifier

Product name CAFLON BT25

Product number 10230

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

Identified uses Detergent. Thickener

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

Emergency Contact Number +44 1274 267346
(Office Hours)

Emergency Contact Number +441865 407333
(Outside Office Hours)

Sds No. 10230

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; R41, R38. R52/53

2.2. Label elements

Pictogram



Signal word Danger

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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.
Precautionary statements	P273 Avoid release to the environment. 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. P501 Dispose of contents/container in accordance with national regulations.
Contains	SODIUM C10 C16 ALKYL ETHOXY SULPHATE, ISOTRIDECANOL ETHOXYLATE (EO 6 - 20), AMINES, C12-18 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES

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

SODIUM C10 C16 ALKYL ETHOXY SULPHATE			10-30%
CAS number: 68585-34-2	EC number: 500-223-8	REACH registration number: 01-2119488639-16	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xi; R41, R38		
ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)			5-10%
CAS number: 24938-91-8			
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41.		
AMINES, C12-18 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES			1-5%
CAS number: —	EC number: 931-341-1	REACH registration number: 01-2119489396-21	
M factor (Acute) = 1			
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R38,R41. N;R50.		

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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 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400		Classification (67/548/EEC or 1999/45/EC) Xn;R22 R43 Xi;R38,R41 N;R50

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur 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

Ingestion	May cause discomfort if swallowed.
Skin contact	Irritating to skin.
Eye contact	Severe irritation, burning and tearing. Causes 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	The product is not flammable. 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	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid inhalation of spray mist and contact with skin and eyes. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. 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 Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling, skin and eye contact. Provide adequate ventilation.

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

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

SODIUM C10 C16 ALKYL ETHOXY SULPHATE (CAS: 68585-34-2)

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

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20) (CAS: 24938-91-8)

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

AMINES, C12-18 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES

DNEL

- Industry - Dermal; systemic effects: 11 mg/kg/day
- Industry - Inhalation; systemic effects: 15.5 mg/m³
- Consumer - Dermal; systemic effects: 5.5 mg/kg/day
- Consumer - Inhalation; systemic effects: 3.8 mg/m³
- Consumer - Oral; systemic effects: 0.44 mg/kg/day
- Consumer - Dermal; local effects: 0.045 mg/m³

PNEC

- Fresh water; 0.0335 mg/l
- Marine water; 0.00335 mg/l
- water; 0.0335 mg/l
- Soil; 1.02 mg/kg
- STP; 24

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

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

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

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	Colourless to pale yellow liquid.
Odour	Mild.
Odour threshold	Not determined. Not determined.
pH	pH (concentrated solution): 7
Melting point	< 5°C
Initial boiling point and range	> 100°C @
Flash point	> 125°C CC (Closed cup).
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.01 @ 20°C
Solubility(ies)	Not determined. Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	350 cP @ 20°C
Explosive properties	Not determined.

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Oxidising properties Not determined.

9.2. Other information

Other information No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None known.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Oxides of the following substances: Carbon. Nitrogen. Sulphur.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Data lacking.

ATE oral (mg/kg) 5,797.1

Acute toxicity - dermal

Notes (dermal LD₅₀) Data lacking.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Data lacking.

Serious eye damage/irritation

Serious eye damage/irritation Risk of serious damage to eyes.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Data lacking.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility Data lacking.

Specific target organ toxicity - single exposure

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STOT - single exposure Data lacking.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Data lacking.

Aspiration hazard

Aspiration hazard Data lacking.

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 Severe irritation, burning and tearing. Risk of serious damage to eyes.

Toxicological information on ingredients.

SODIUM C10 C16 ALKYL ETHOXY SULPHATE

Acute toxicity - oral

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

Species Rat

Inhalation May cause respiratory system irritation.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Irritating to skin.

Eye contact Risk of serious damage to eyes.

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Harmful by inhalation.

Ingestion Gastrointestinal symptoms, including upset stomach. Harmful if swallowed.

Skin contact May cause defatting of the skin but is not an irritant.

Eye contact Risk of serious damage to eyes.

AMINES, C12-18 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 846.0

Species Rat

Acute toxicity - dermal

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

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Species

Rat

SECTION 12: Ecological Information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

SODIUM C10 C16 ALKYL ETHOXY SULPHATE

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Acute toxicity - fish No data recorded.

Ecological information on ingredients.

SODIUM C10 C16 ALKYL ETHOXY SULPHATE

Toxicity Not considered toxic to fish.

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)

Acute toxicity - fish LC₅₀, 96 hours: 1-100 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1-100 mg/l, Daphnia magna

AMINES, C12-18 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours, 96 hours: 1.26 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours, 48 hours: 2.4 mg/l, Daphnia magna
OECD 202

Acute toxicity - aquatic plants EC₅₀, 72 hours, 72 hours: 0.24 mg/l, Freshwater algae
OECD 201

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. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Ecological information on ingredients.

SODIUM C10 C16 ALKYL ETHOXY SULPHATE

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Persistence and degradability

The product is readily biodegradable.

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)

Persistence and degradability

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

AMINES, C12-18 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES

Persistence and degradability

The product is readily biodegradable.

Biodegradation

- Degradation (%) 80: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

Not determined.

Ecological information on ingredients.

SODIUM C10 C16 ALKYL ETHOXY SULPHATE

Bioaccumulative potential

No data available on bioaccumulation.

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

AMINES, C12-18 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES

Partition coefficient

log Pow: < 2.7

12.4. Mobility in soil

Mobility

The product is soluble in water.

Ecological information on ingredients.

SODIUM C10 C16 ALKYL ETHOXY SULPHATE

Mobility

The product is soluble in water.

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)

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.

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SODIUM C10 C16 ALKYL ETHOXY SULPHATE

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

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)

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 Not determined.

Ecological information on ingredients.

SODIUM C10 C16 ALKYL ETHOXY SULPHATE

Other adverse effects Not determined.

ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)

Other adverse effects Not determined.

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

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

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

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

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Not applicable.

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 Not applicable.

SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Dangerous Preparations Directive 1999/45/EC. 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	Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.
Water hazard classification	WGK 2

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	05/06/2015
Revision	03
Supersedes date	05/07/2013
SDS number	10230
SDS status	Approved.
Signature	Mark Dryden
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. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.

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TURKISH SIGNATURE