

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Product name : TOP CITRON
Product code : 1006
Product group : Mixture

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

Main use category : Professional use
Description/Application : Multi purpose universal detergent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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rue de la Maladrie 31
F-44120 VERTOU - FRANCE
T +33 (0)240 80 27 27 - F +33 (0)240 03 09 73
health-security@christeys.fr - www.christeys.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
FRANCE	INRS		+33 1 45 42 59 59
UNITED KINGDOM	National Poisons Information Service Medical Toxicology Unit		0870 243 2241

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

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]

Hazard pictograms (CLP) :



GHS07

CLP Signal word : Warning
Hazard statements (CLP) : H319 - Causes serious eye irritation
Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling
P280 - Wear 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
P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients
3.1. Substance

Not applicable

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according to Regulation (EC) No. 453/2010

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	(CAS-no) 68891-38-3 (REACH-no) 01-2119488639-16	5 - 10	Xi; R41 Xi; R38
N-(Coco alkyl) amido propyl dimethyl betaine	(CAS-no) 61789-40-0; 97862-59-4 (Einecs nr) 263-058-0 (REACH-no) 01-2119488533-30	<= 1	Xi; R41

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	(CAS-no) 68891-38-3 (REACH-no) 01-2119488639-16	5 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
N-(Coco alkyl) amido propyl dimethyl betaine	(CAS-no) 61789-40-0; 97862-59-4 (Einecs nr) 263-058-0 (REACH-no) 01-2119488533-30	<= 1	Eye Dam. 1, H318 Aquatic Chronic 3, H412

Name	Product identifier	Specific concentration limits
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	(CAS-no) 68891-38-3 (REACH-no) 01-2119488639-16	(0 =< C < 30) Eye Irrit. 2, H319 (30 =< C < 100) Eye Dam. 1, H318

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : In case of doubt or persistent symptoms, consult always a physician. For symptom description, see item 11.

Inhalation : Not applicable.

Skin contact : Rinse with plenty of water.

Eye contact : Wash with plenty of water and if necessary take medical advice.

Ingestion : Rinse mouth. Ask for medical advice.

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

Acute effects inhalation : Not applicable.

Acute effects skin : No data available.

Acute effects eyes : Causes serious eye irritation.

Acute effects oral route : No data available.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : The product itself does not burn. In case of fire nearby, any kind of extinguisher can be used.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Rinse with water.

6.4. Reference to other sections

No additional information available

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according to Regulation (EC) No. 453/2010

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with the skin and the eyes.
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container.
Storage temperature : 5 - 40 °C
Material(s) to avoid : Not determined.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Alcohols, C10-16, ethoxylated, sulfates, sodium salts (68891-38-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2750 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	175 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	15 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	52 mg/m³
Long-term - systemic effects, dermal	1650 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,24 mg/l
PNEC aqua (marine water)	0,024 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	5,45 mg/kg dwt
PNEC sediment (marine water)	0,545 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,946 mg/kg dwt
N-(Coco alkyl) amido propyl dimethyl betaine (61789-40-0; 97862-59-4)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	12,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	44 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	7,5 mg/kg bodyweight/day
Long-term - systemic effects, dermal	7,5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,0135 mg/l
PNEC aqua (marine water)	0,00135 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1 mg/kg dwt
PNEC sediment (marine water)	0,1 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,8 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	3000 mg/l

8.2. Exposure controls

Hand protection : not required.
Eye protection : safety goggles.
Protective equipment : No special required clothing.
Respiratory protection : Not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Physical state/form : Liquid.
Colour : Yellow.
Odour : perfumed.

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Odour threshold	: No data available
pH	: 7 - 10 (100 %)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point/range	: No data available
Freezing point	: No data available
Boiling point/Boiling range	: No data available
Flash point	: Not applicable
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1,02
Solubility	: Water: 100 % (20°C)
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Temperatures below 0°C. High temperatures.

10.5. Incompatible materials

Do not mix with other products.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Alcohols, C10-16, ethoxylated, sulfates, sodium salts (68891-38-3)	
LD50 oral rat	> 5000 mg/kg OCDE 401
LD50 dermal rat	> 5000 mg/kg OCDE 402
N-(Coco alkyl) amido propyl dimethyl betaine (61789-40-0; 97862-59-4)	
LD50 oral rat	2335 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	2335,000 mg/kg

Skin corrosion/irritation	: Not classified pH: 7 - 10 (100 %)
Serious eye damage/irritation	: Causes serious eye irritation. CAS No. 68891-38-3: Specific concentration limits specified by the supplier pH: 7 - 10 (100 %)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified according 1272/2008/CE.

Alcohols, C10-16, ethoxylated, sulfates, sodium salts (68891-38-3)	
LC50 fishes 1	> 10 (10 - 100) mg/l
EC50 Daphnia 1	> 10 mg/l
ErC50 (algae)	> 100 mg/l
NOEC (chronic)	1 - 10 mg/l
NOEC chronic fish	> 1 mg/l
NOEC chronic algae	> 0,1 mg/l
N-(Coco alkyl) amido propyl dimethyl betaine (61789-40-0; 97862-59-4)	
LC50 fishes 1	1,11 mg/l
EC50 Daphnia 1	1,9 mg/l
ErC50 (algae)	2,4 mg/l
NOEC (chronic)	0,135 mg/l

12.2. Persistence and degradability

TOP CITRON	
Persistence and degradability	The surfactant(s) contained in this preparation 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.
N-(Coco alkyl) amido propyl dimethyl betaine (61789-40-0; 97862-59-4)	
Biodegradation	91,6 % OECD 301 B

12.3. Bioaccumulative potential

N-(Coco alkyl) amido propyl dimethyl betaine (61789-40-0; 97862-59-4)	
Bioconcentration factor (BCF REACH)	71
Log Kow	4,2

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Alcohols, C10-16, ethoxylated, sulfates, sodium salts (68891-38-3)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of in accordance with relevant local regulations.
Waste / unused products	: Avoid undiluted product to come into sewer or superficial water.

SECTION 14: Transport information

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

14.1. UN number

No dangerous good in sense of transport regulations.(ADR, RID, IMDG, IATA)

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

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according to Regulation (EC) No. 453/2010

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. 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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

CESIO recommendations : The surfactant(s) contained in this preparation 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.

Detergent Regulation : Labelling of contents:

Component	%
anionic surfactants	5-15%
Non-ionic surfactants, amphoteric surfactants	<5%
BENZISOTHIAZOLINONE	
Perfume	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.2	Label elements	Modified	
3.2	Composition/information on ingredients	Modified	
4.2		Modified	
8.1		Modified	
11.1		Modified	
15.1		Modified	
16		Modified	

Other information : It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. Such information is actually to be best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other product(s). Classification according to directives 67/548/EEC and 1999/45/EEC et sequens. EC Regulation 1272/2008 and its amendments.

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Full text of R-, H- and EUH-phrases:

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
Xi	Irritating

It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product