

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

1.1. Product identifier

Product form	: Mixture
Trade name	: Laundry detergent
Product code	: 020000029
Article number	: 6220
EAN	: 8719189416220
Type of product	: Detergent
Product group	: Blend

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

1.2.1. Relevant identified uses

Intended for general public	
Main use category	: Consumer use
Use of the substance/mixture	: Washing agent Cleaning agent
Function or use category	: Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Marcel's Green Soap
Eindhovenstraat 28
2012 ML Haarlem Netherlands
T +31 (0)23-5422304
info@marcelsgreensoap.com - www.marcelsgreensoap.com

1.4. Emergency telephone number

Emergency number : +3123 5422 304

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP)	: Warning
Hazard statements (CLP)	: H319 - Causes serious eye irritation.
Precautionary statements (CLP)	: P102 - Keep out of reach of children. 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

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	(CAS-No.) 68891-38-3 (EC-No.) 500-234-8 (REACH-no) 01-2119488639-16	≥ 5 – < 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Cocamidopropyl Betaine	(CAS-No.) 97862-59-4 (EC-No.) 931-296-8 (REACH-no) 01-2119488533-30	≥ 1 – < 5	Eye Dam. 1, H318 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	(CAS-No.) 68891-38-3 (EC-No.) 500-234-8 (REACH-no) 01-2119488639-16	(5 ≤ C < 10) Eye Irrit. 2, H319 (10 ≤ C < 100) Eye Dam. 1, H318
Cocamidopropyl Betaine	(CAS-No.) 97862-59-4 (EC-No.) 931-296-8 (REACH-no) 01-2119488533-30	(4 ≤ C < 10) Eye Irrit. 2, H319 (10 ≤ C < 100) Eye Dam. 1, H318

Full text of (EU)H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of any doubt or when irritation occurs or persists seek medical advice. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: If experiencing respiratory symptoms: Allow affected person to breathe fresh air.
First-aid measures after skin contact	: Wash skin with mild soap and water.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Drink some water or milk (1/4 litre). Eat something fat (like coffee cream, butter, mayonnaise, etc.). Seek medical advice immediately and show this container or label.

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	: None under normal use.
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation. Redness.
Symptoms/effects after eye contact	: Causes serious eye irritation. Redness.
Symptoms/effects after ingestion	: May cause irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

In case of any doubt or when irritation occurs or persists seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: All known extinguishants can be used.
Unsuitable extinguishing media	: None to our knowledge.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: The product itself does not maintain combustion.
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5.3. Advice for firefighters

Protection during firefighting : Use fire fighting measures that suit the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Material spilled on hard surface can present a serious slipping/falling hazard.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Pick up as much as possible of the spilled product. Store picked-up material in a drum.
Wash non-recoverable remainder with large amounts of water.

6.4. Reference to other sections

Reference to other sections : Personal precautions: Refer to section 8.
Handling and storage: Refer to section 7.
Waste disposal recommendations: Refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Normal precautions for the use of chemicals and cleaners should be taken care of.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Protect from freezing.

7.3. Specific end use(s)

Specific end use(s) : When the product is used as directed in Section 1.2 under normal conditions, no specific measures are required. The necessary measures can be found in Section 7.1 and 7.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information : The product itself is not tested on occupational exposure limits, but if the product contains substances with occupational exposure limits these are listed here. No listing means that the product does not contain any substances with occupational exposure limits.

8.2. Exposure controls

General information

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes.

Hand protection:

This product is not classified as dangerous for the skin and therefore no protection gloves are necessary when this product is used. In case of prolonged use or sensitive skin, where irritation is possible, it would be recommended to use gloves.

When selecting protective gloves, always consider user specific circumstances like mechanical stress (cutting, drilling, etc.), contact time, temperature, use of other chemicals, etc.

In consultation with the supplier of protective gloves a type can be chosen, which provides sufficient protection. Always check the instructions regarding breakthrough time and type & thickness of the material, as given by the glove supplier.

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Eye protection:

When making normal use of the product not necessary. If there is a risk of liquid being splashed : Wear eye protection.

Respiratory protection:

When making normal use of the product not necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Colourless.
Odour	: Patchoulli.
Odour threshold	: Not applicable
pH	: 5.5 – 7.5
Freezing point	: ± -3 °C
Boiling point	: ± 80 °C
Flash point	: > 80 °C
Relative evaporation rate (butylacetate=1)	: < 1
Flammability (solid, gas)	: The product itself does not maintain combustion.
Explosive limits	: Not applicable
Vapour pressure	: ± 23.4 hPa
Relative vapour density at 20 °C	: Not applicable
Relative density	: 1.015 – 1.04
Density	: 1.015 – 1.04 g/cm ³
Solubility	: Water: completely soluble
Partition coefficient n-octanol/water [log Pow]	: -0.87 (calculated value)
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Viscosity, kinematic	: 950 – 2450 mm ² /s
Viscosity, dynamic	: 1000 – 2500 mPa·s
Explosive properties	: No chemical group associated with explosive properties.
Oxidising properties	: The product itself does not maintain combustion.

9.2. Other information

VOC content : < 30 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None under normal conditions.

10.5. Incompatible materials

None under normal conditions.

10.6. Hazardous decomposition products

None under normal conditions.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Laundry detergent

Additional information	With the product as such no toxicological tests have been done. According to the criteria of 3.1.3 from (EC) 1272/2008 this product is not toxic. Components that are toxic are mentioned below.
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Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

LD50 oral	4100 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight

Cocamidopropyl Betaine (97862-59-4)

LD50 oral	> 5000 mg/kg bodyweight
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Skin corrosion/irritation	: Not classified pH: 5.5 – 7.5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 5.5 – 7.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	950 – 2450 mm ² /s
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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Laundry detergent

Additional information	With the product as such no ecological tests have been done. According to the criteria of 4.1.3 from (EC) 1272/2008 this product is not dangerous for the environment. Components that are dangerous to the environment are mentioned below.
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Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

LC50 fish (96 h)	7.1 mg/l
EC50 other aquatic organisms 1	7.2 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	27 mg/l IC50 algae (72 h) mg/l

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Cocamidopropyl Betaine (97862-59-4)

LC50 fish (96 h)	1.5 mg/l
EC50 other aquatic organisms 1	21.5 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	30 mg/l IC50 alga (72 h) mg/l

12.2. Persistence and degradability

Laundry detergent

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.
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Cocamidopropyl Betaine (97862-59-4)

Biodegradation	≥ 90 % Aerobic: (OECD 301B method), 28 days; Readily biodegradable. Anaerobic: (OECD 311 method), 60 days; Biodegradable
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12.3. Bioaccumulative potential

Laundry detergent

Partition coefficient n-octanol/water [log Pow]	-0.87 (calculated value)
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Cocamidopropyl Betaine (97862-59-4)

Partition coefficient n-octanol/water [log Pow]	0.69
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component

Alcohols, C12-14, 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
Cocamidopropyl Betaine (97862-59-4)	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

Product/Packaging disposal recommendations	: Pick up as much as possible of the spilled product. Store picked-up material in a drum. Dispose of in accordance with relevant local regulations. Wash non-recoverable remainder with large amounts of water.
Additional information	: Rinse the empty bottle. Then bottle can be disposed of with the normal domestic waste.
Ecology - waste materials	: Use appropriate container to avoid environmental contamination. Dispose of in accordance with relevant local regulations.
European List of Waste (LoW) code	: 20 01 30 - detergents other than those mentioned in 20 01 29

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.3. Transport hazard class(es)

Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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14.4. Packing group

Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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14.5. Environmental hazards

Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

IBC code : Not applicable. This product is not intended to be carried in bulk tankers.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

REGULATION (EU) No 649/2012 concerning the export and import of hazardous chemicals

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

REGULATION (EU) No 2019/1021 on persistent organic pollutants

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products (Biocidal Products Regulation - BPR)

Product is considered as a treated article under the regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products and contains the following preservative(s):

SODIUM BENZOATE

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content : < 30 %

Regulation (EC) No 648/2004 on detergents (Detergent Regulation)

Labelling of contents	
Component	%
anionic surfactants	5-15%
amphoteric surfactants	<5%
enzymes	
SODIUM BENZOATE	
Perfumes	
LIMONENE	

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

LINALOOL	
COUMARIN	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
2.2	Hazard statements (CLP) & Precautionary statements (CLP)	Modified	
9.1	Composition/information on ingredients	Modified	
15	Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products (Biocidal Products Regulation - BPR)	Added	
15.1	Composition/information on ingredients	Modified	
16	Abbreviations and acronyms	Removed	DSD/DPD

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BPR	Biocidal Products Regulation, Regulation (EU) No 528/2012
CAS-No.	Number of the chemical substance in the Register of Chemical Abstracts Service
CLP	Classification Labelling Packaging; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level.
EC50	Median effective concentration: The effective concentration of substance that causes 50% of the maximum response.
EC-No.	Official identification number of the substance within the European Union
IATA	International Air Transport Association.
IBC-code	International Bulk Chemical Code, the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
ICAO	International Civil Aviation Organization (International Civil Aviation Organization).
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
MAC	Maximum Allowable Concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic.
PNEC	Predicted No-Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

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RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant - Removal Efficiency Fraction (offsite; STP)
SDS	Safety Data Sheet
UN	United Nations
VOC	Volatile Organic Compounds
WGK	Water Hazard Class
vPvB	Very Persistent and Very Bioaccumulative

Data sources

BPR	REGULATION (EC) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products.
CLP	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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
COSING	Cosing - http://ec.europa.eu/growth/tools-databases/cosing/
ECHA	ECHA (European Chemicals Agency) - https://echa.europa.eu/nl/home
GESTIS	GESTIS Substance Database - http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates\$fn=default.htm\$vid=gestiseng:sdbeng\$3.0
SER	The Social and Economic Council of the Netherlands (SER) - http://www.ser.nl
SDS	Safety Data Sheet Manufacturer/Supplier Raw material

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008:

Eye Irrit. 2	H319	Calculation method
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Full text of H- and EUH-statements:

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.

SDS EU (REACH Annex II)

The information given in this SDS relates to the product mentioned in section 1 and is provided on the assumption that the product will be used in the manner and for the purposes indicated by the manufacturer. The data given here is based on current knowledge and experience and if necessary regularly revised. It is the responsibility of the user to carry out the mentioned precautions and to ensure that this information is complete and sufficient for the use of this product. It is recommended to inform staff / people concerned about the information in this safety data sheet, if necessary in modified form. The data does not signify any warranty with regard to the products' properties.