



James Remover

Safety Data Sheet

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

Issue date: 14-10-2016 Revision date: 31-7-2020 Supersedes version of: 10-3-2015 Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Name : James Remover
Product code : 4746.0_76068RT60
Type of product : Detergent
Product group : Trade product

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, Consumer use
Use of the substance/mixture : The data given here is based on the product properties as mentioned in section 1.1. and is provided on the assumption, that the product will be used in the manner and for the purposes for which the manufacturer indicates.
Use of the substance/mixture : Cleaner
Stain-remover
Function or use category : Cleaning/washing agents and additives

Title	Use descriptors
Professional uses; (Trigger) spraying (Association ref code: AISE_SUMI_PW_11_1_G)	SU22, PC35, PROC11, ERC8a, AISE SPERC 8a.1.a.v2
Professional uses; Brushing after trigger spraying or brushing with tools (Association ref code: AISE_SUMI_PW_10_1_G)	SU22, PC35, PROC10, ERC8a, AISE SPERC 8a.1.a.v2
Consumer use of washing and cleaning products	SU21, PC35, ERC8a

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

James B.V.
Rudolf Dieselweg 28 a
NL-5928 RA Venlo - Nederland
T +31 (0) 773278000
info@james.eu

1.4. Emergency telephone number

Emergency number : See Section 1.3; Only during office hours

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	

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United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
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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

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

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

Intended for general public
Child-resistant fastening : Not applicable
Tactile warning : Not applicable

2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions. The information in this section applies to the undiluted product.

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]
Propyleneglycol-n-propylether (INCI: PROPYLENE GLYCOL PROPYL ETHER)	(CAS-No.) 1569-01-3 (EC-No.) 216-372-4 (REACH-no) 01-2119474443-37	10 – 20	Flam. Liq. 3, H226 Eye Irrit. 2, H319
Sodium cumenesulfonate (INCI: SODIUM CUMENESULFONATE)	(CAS-No.) 15763-76-5; (28348-53-0) (EC-No.) 248-983-7 (EC Index-No.) 239-854-6 (REACH-no) 01-2119489411-37	1 – 5	Eye Irrit. 2, H319

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Methanol (INCI: METHYL ALCOHOL) substance with national workplace exposure limit(s) (GB, IE, MT); substance with a Community workplace exposure limit	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	< 0,1	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
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Specific concentration limits:

Name	Product identifier	Specific concentration limits
Methanol (INCI: METHYL ALCOHOL)	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	(3 ≤ C < 10) STOT SE 2, H371 (10 ≤ C < 100) STOT SE 1, H370

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Rinse skin with water/shower.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation	: Inhalation unlikely. Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard. The product is not considered to be irritating to the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Blurred vision. Burning sensation. Tears. Redness.
Symptoms/effects after ingestion	: May cause a light 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 accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not combustible.
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5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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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

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Do not flush into surface water. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Dispose in a safe manner in accordance with local/national regulations. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of in accordance with relevant local regulations. Wash away remainder with plenty of water.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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. See information supplied by the manufacturer. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed. Protect from freezing.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Methanol (INCI: METHYL ALCOHOL) (67-56-1)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	Methanol
IOEL TWA	260 mg/m ³
IOEL TWA [ppm]	200 ppm
Notes	skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC

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Methanol (INCI: METHYL ALCOHOL) (67-56-1)	
Ireland - Occupational Exposure Limits	
Local name	Methanol
OEL TWA [1]	260 mg/m ³
OEL TWA [2]	200 ppm
Notes (IE)	Sk, IOELV
Regulatory reference	Code of Practice for the Chemical Agents Regulations 2016
Malta - Occupational Exposure Limits	
Local name	Methanol
OEL TWA	260 mg/m ³
OEL TWA [ppm]	200 ppm
Regulatory reference	S.L.424.24
United Kingdom - Occupational Exposure Limits	
Local name	Methanol
WEL TWA (OEL TWA) [1]	266 mg/m ³
WEL TWA (OEL TWA) [2]	200 ppm
WEL STEL (OEL STEL)	333 mg/m ³
WEL STEL (OEL STEL) [ppm]	250 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40. HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

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DNEL/DMEL (additional information)	
See http	//www.dguv.de/ifa/de/gestis/limit_values/index.jsp: Information on ingredients.

Propyleneglycol-n-propylether (INCI: PROPYLENE GLYCOL PROPYL ETHER) (1569-01-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2,2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	26 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, inhalation	217 mg/m ³
Long-term - systemic effects, dermal	9 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,1 mg/l
PNEC aqua (marine water)	0,01 mg/l
PNEC aqua (intermittent, freshwater)	1 mg/l

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PNEC (Sediment)	
PNEC sediment (freshwater)	0,386 mg/kg dwt
PNEC sediment (marine water)	0,0386 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,0185 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	4 mg/l

Sodium cumenesulfonate (INCI: SODIUM CUMENESULFONATE) (15763-76-5; (28348-53-0))	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	7,6 – 136,25 mg/kg bodyweight/day
Long-term - local effects, dermal	0,096 mg/cm ²
Long-term - systemic effects, inhalation	26,9 – 53,6 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	3,8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6,6 – 13,2 mg/m ³
Long-term - systemic effects, dermal	3,8 – 68,1 mg/kg bodyweight/day
Long-term - local effects, dermal	0,048 mg/cm ²
PNEC (Water)	
PNEC aqua (freshwater)	0,23 mg/l
PNEC aqua (marine water)	0,023
PNEC aqua (intermittent, freshwater)	2,3 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,862 mg/kg dwt
PNEC sediment (marine water)	0,0862 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,037 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid contact with skin, eyes and clothing. Avoid all unnecessary exposure. Protect eyes, face and skin from liquid splashes. Safety glasses.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

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Eye protection:

Wear eye/face protection. Chemical goggles or safety glasses. Standard. EN 166. Eye protection should only be necessary where liquid could be splashed or sprayed

8.2.2.2. Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

8.2.2.3. Respiratory protection

Respiratory protection:

No special protection required where adequate ventilation is maintained

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke when using this product. The information in this section applies to the undiluted product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless. clear.
Odour	: benzaldehyde.
Odour threshold	: No data available
pH	: 5,6 (20°C)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: ≥ 100 °C
Flash point	: > 60 °C
Auto-ignition 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	: No data available
Density	: 0,987 g/cm ³ (20°C)
Solubility	: completely soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: $< 50,659$ mm ² /s
Viscosity, dynamic	: < 50 mPa·s (20°C)
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

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10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

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

Propyleneglycol-n-propylether (INCI: PROPYLENE GLYCOL PROPYL ETHER) (1569-01-3)

LD50 oral rat	> 2000 mg/kg
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
LD50 dermal	3600 mg/kg bodyweight
LC50 Inhalation - Rat	8,34 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	> 8462 mg/l/4h
ATE CLP (vapours)	8,34 mg/l/4h
ATE CLP (dust,mist)	8,34 mg/l/4h

Sodium cumenesulfonate (INCI: SODIUM CUMENESULFONATE) (15763-76-5; (28348-53-0))

LD50 oral rat	> 2000 (2001 – 7000) mg/kg
LD50 oral	> 7000 mg/kg bodyweight (Rat)
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 5 mg/l (232 min.)
ATE CLP (oral)	2001 mg/kg bodyweight

Methanol (INCI: METHYL ALCOHOL) (67-56-1)

LD50 oral rat	1187 – 5628 mg/kg
LD50 oral	5628 mg/kg bodyweight
LD50 dermal rabbit	15800 – 17100 mg/kg
LD50 dermal	15800 mg/kg bodyweight
LC50 Inhalation - Rat	83 – 130 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	85000 mg/l/4h

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ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0,5 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 5,6 (20°C)
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation. pH: 5,6 (20°C)
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Methanol (INCI: METHYL ALCOHOL) (67-56-1)

NOAEL (oral, rat)	466 mg/kg bodyweight
STOT-single exposure	Causes damage to organs.

STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

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Viscosity, kinematic	< 50,659 mm ² /s
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Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met,With the product as such no toxicological tests have been done. According to the criteria of art. 3 from (EC) Nr. 1272/2008 [CLP] this product is classified as mentioned in section 2. Components that are toxic are mentioned in section 3.
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: With the product as such no ecological tests have been done. According to the criteria of art. 3 from (EC) Nr. 1272/2008 [CLP] this product is classified concerning the environment as mentioned in section 2. Components that are dangerous to the environment are mentioned in section 3.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

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Propyleneglycol-n-propylether (INCI: PROPYLENE GLYCOL PROPYL ETHER) (1569-01-3)	
LC50 - Fish [1]	> 100 mg/l (96h, Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 100 mg/l (48h)
EC50 - Other aquatic organisms [1]	1,466 mg/l (Algae, 96h, Selenastrumcapricornutum)
EC50 - Other aquatic organisms [2]	1466 mg/l IC50 algea (72 h) mg/l

Sodium cumenesulfonate (INCI: SODIUM CUMENESULFONATE) (15763-76-5; (28348-53-0))	
LC50 - Fish [1]	> 100 mg/l (96h, Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 100 mg/l (48h)
EC50 - Other aquatic organisms [1]	> 100 mg/l (72h, Desmodesmus subspicatus)
EC50 - Other aquatic organisms [2]	> 1000 mg/l (Bacteriacea, EC10, 3h, OECD 209)

Methanol (INCI: METHYL ALCOHOL) (67-56-1)	
LC50 - Fish [1]	15400 mg/l (96h, Lepomis macrochirus))
LC50 - Other aquatic organisms [2]	> 10000 mg/l (Algae, 96h, Selenastrum capricornutum)
EC50 - Crustacea [1]	> 10000 mg/l (48h, OECD 202)
EC50 - Other aquatic organisms [1]	10000 mg/l EC50 waterflea (48 h)
EC50 - Other aquatic organisms [2]	12000 mg/l IC50 algea (72 h) mg/l
EC50 96h - Algae [1]	22000 mg/l (Pseudokirchneriella subcapitata, OECD 201)

12.2. Persistence and degradability

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Persistence and degradability	Not established. 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.

Propyleneglycol-n-propylether (INCI: PROPYLENE GLYCOL PROPYL ETHER) (1569-01-3)	
Persistence and degradability	Readily biodegradable.

Sodium cumenesulfonate (INCI: SODIUM CUMENESULFONATE) (15763-76-5; (28348-53-0))	
Biodegradation	> 60 % (6d, OECD TG 301B)

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.

Propyleneglycol-n-propylether (INCI: PROPYLENE GLYCOL PROPYL ETHER) (1569-01-3)	
Partition coefficient n-octanol/water (Log Pow)	0,62
Partition coefficient n-octanol/water (Log Kow)	0,49

Sodium cumenesulfonate (INCI: SODIUM CUMENESULFONATE) (15763-76-5; (28348-53-0))	
Partition coefficient n-octanol/water (Log Kow)	-1,5

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Methanol (INCI: METHYL ALCOHOL) (67-56-1)

Partition coefficient n-octanol/water (Log Pow)	-0,7
Partition coefficient n-octanol/water (Log Kow)	-0,69

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: This material and its container must be disposed of in a safe way, and as per local legislation. Product as it is : Chemical refuse, Dispose as hazardous waste. Empty containers can be dumped after cleaning according to local legislation. Recycling is preferred to disposal or incineration. Empty the packaging completely prior to disposal. Flush residue with large amounts of water.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 20 01 29* - detergents containing dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

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Inland waterway transport

No data available

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol 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 REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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.

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

Detergent Regulation (648/2004/EC): Labelling of contents:	
Component	%
non-ionic surfactants	<5%
perfumes	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Raw materials information section 3.

See <http://esis.jrc.ec.europa.eu/index.php?PGM=dat> : Information on ingredients.

Health hazards

See Section 2 & 3 & 11.

Physical hazards

See Section 2 & 10.

Environmental hazards

See Section 2 & 3 & 12.

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
	Revision date	Modified	
1.2	Relevant identified uses	Modified	
2.2	Precautionary statements (CLP)	Modified	
16	Abbreviations and acronyms	Modified	

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Abbreviations and acronyms:	
	ABM: Algemene Beoordelings Methodiek (NL) / ADR: Accord Européen relatif au transport international des marchandises dangereuses par route) / ALG: Allergen / AQTX: Aquatic Toxicity / Atm: Atmosphere (unit of pressure) / bw: bodyweight / C: Ceiling / CAR:\Carcinogenic Effects / CAS No: Chemical Abstracts Service Number (see ACS – American Chemical Society) / CMRs: Carcinogenic, Mutagenic or toxic to Reproduction (substances) / CSR: Chemical Safety Report / Cc (cm3): Cubic Centimeter / DNEL: Derived No-Effect Level / EC50: half maximal effective concentration / ED50: Effective Dose 50 / ET50: Exposure Time 50 / I.V.: Intravenous / Kg: Kilogram / LC: Lethal Concentration / LC50: Median Lethal Concentration / LCLo: Lowest Lethal Airborne Concentration Tested (see also LC50, LD50) / LD: Lethal Dose / LD50: Median Lethal Dose LDLo: Lowest Lethal Dose Tested (see also LC50, LD50) / MAC: Maximum Allowable Concentration / MAK: Maximale Arbeitsplatz-Konzentration (Germany, Maximum Workplace Concentration, see OEL) / MSDS: Material Safety Data Sheet / NOAEL: No Observed Adverse Effect Level / NOEL: No Observable Effect Level / OEL: Occupational Exposure Limits / PBTs: Persistent, Bioaccumulative and Toxic substances / PEC: Predicted Environmental Concentration / PNEC: Predicted No-Effect Concentration / REACH: Registration, Evaluation, Authorisation and Restriction of Chemical substances / STEL: Short-Term Exposure Limit / STEV: Short-Term Exposure Value / STP: Sewage Treatment Plant TLM: Threshold Limit, Median / TLV-C: Threshold Limit Value-Ceiling / TLV®: Threshold Limit Value / TWA: Time-Weighted Average / WGK: Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act) / g/gms: Grams / kJ/mol: Kilojoules per mole / kPa: KiloPascal (unit of pressure) / m3: Cubic Meter / mg: Milligram / ml: Milliliter / ml Hg: Milliliters of Mercury / n.o.s.: Not Otherwise Specified / nm: nanometer / ppb: Parts Per Billion / pph: parts per hundred (= percent) / ppm: Parts Per Million / ppt: parts per trillion / vPvBs: Very Persistent and Very Bioaccumulative substances
CAS-No.	Chemical Abstract Service number
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
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
LC50	Median lethal concentration
N.O.S.	Not Otherwise Specified
NOEC	No-Observed Effect Concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration

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NOAEL	No-Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TRGS	Technical Rules for Hazardous Substances
SDS	Safety Data Sheet
VOC	Volatile Organic Compounds
WGK	Water Hazard Class
vPvB	Very Persistent and Very Bioaccumulative

Data sources : 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.

Other information : None. **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H370	Causes damage to organs.

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H371	May cause damage to organs.
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Full text of use descriptors	
AISE SPERC 8a.1.a.v2	Wide Dispersive Use in 'Down the Drain' cleaning and maintenance products (Consumers and Professionals)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
PC35	Washing and cleaning products
PROC10	Roller application or brushing
PROC11	Non industrial spraying
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.