

Safety data sheet

PRODUCT NAME: VROOAM 4T Marine Outboard 25W40

according to REACH Regulation (EC) 1907/2006 as amended by Regulation (EU) 2020/878



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

1.1. Product identification

Product form : Mixture
Trade name : VROOAM 4T Marine Outboard 25W40
Product code : 13134
Product type : Lubricants
Product group : Commercial product

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

1.2.1. Relevant identified uses

Main use category: Industrial use, Professional use, Consumer use
Use of the substance or mixture : Engine oil

1.2.2. Uses that are discouraged

No additional information available

1.3. Details of the supplier of the safety data sheet

VROOAM Powersports Lubricants INT. B.V.
Aventurine 300
3316 LB Dordrecht (NL)
0031 (0) 78 750 1632
www.vrooam-lubricants.com
info@vrooam-lubricants.com

· Further information available from: Product Safety Department

1.4. Emergency telephone number

+31 (0) 78 750 16 32 (9:00 am to 5:00 pm from Monday to Friday)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, health and environmental effects

Harmful to aquatic life with long lasting effects

2.2. The labeling element

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

EUH sentences : EUH210 - Safety data sheet available on request.

2.3. Other hazards

Contains no PBT or vPvB substances > 0.1% assessed according to REACH Annex XIII

Component	
Substance(s) do not meet the PBT criteria of REACH Regulation, in accordance with Annex XIII	distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)

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Substance(s) do not meet the vPvB criteria of REACH Regulation, in accordance with Annex XIII

distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)

The mixture does not contain substances included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or identified as having endocrine disrupting properties according to the criteria laid down in Delegated Regulation (EU) 2017/2100 or Delegated Regulation (EU) 2018/605 in a concentration that is equal to or greater than 0.1%.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments **Name** : Highly refined mineral oils and additives.

	Product identification	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
distillates (petroleum), solvent-dewaxed light paraffinic substance for which a Community workplace exposure limit applies (Note L)	CAS No.: 64742-56-9 EC No.: 265-159-2 EU Catalogue No.: 649-469-00-9 REACH-nr: 01-2119480132-48	0,1 – 2,5	Asp. Tox. 1, H304
distillates (petroleum), hydrotreated heavy paraffinic (Note L)	CAS No.: 64742-54-7 EC No.: 265-157-1 EU Catalogue No.: 649-467-00-8 REACH-nr: 01-2119484627-25	0,1 – 2,5	Asp. Tox. 1, H304
distillates (petroleum), solvent-dewaxed paraffinic (Note L)	CAS No.: 64742-65-0 EC No.: 265-169-7 EU Catalogue No.: 649-474-00-6 REACH-nr: 01-2119471299-27	0,1 – 2,5	Asp. Tox. 1, H304

Name	Product identification	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
distillates (petroleum), hydrotreated light paraffinic (Note L)	CAS No.: 64742-55-8 EC No.: 265-158-7 EU Catalogue No.: 649-468-00-3 REACH-nr: 01-2119487077-29	0,3 – 2,5	Asp. Tox. 1, H304
distillates (petroleum), solvent-refined light paraffinic (Note L)	CAS No.: 64741-89-5 EC No.: 265-091-3 EU Catalogue No.: 649-455-00-2 REACH-nr: 01-2119487067-30	0,3 – 2,5	Asp. Tox. 1, H304

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Comments: This highly refined oil contains <3% (w/w) DMSO extract, determined according to IP346.

Note L:

The harmonised classification of the substance as carcinogenic applies unless it can be shown that it contains less than 3 % of dimethyl sulphoxide extract as measured according to IP 346 ('Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London), in which case the substance shall also be classified for that hazard class in accordance with Title II of this Regulation.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First aid general	: If you feel unwell, seek medical advice/attention.
First aid after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First aid after skin contact	: Wash skin with plenty of water.
First aid after eye contact	: As a precaution, rinse eyes with water.
First aid after ingestion	: If you feel unwell, call a poison control center or doctor/physician.

4.2. Most important acute and delayed symptoms and effects

Symptoms/effects : No additional information available.

Symptoms/effects after inhalation : Although no possible effects on human or animal health are known, this product is assumed to pose an inhalation hazard.

Symptoms/effects after skin contact : None under normal conditions.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : None under normal conditions.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Fire extinguishing agents

Suitable extinguishing agents	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing agents	: Do not use a strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No immediate explosion hazard.
Hazardous decomposition products in case of fire	: Possible formation of toxic fumes

5.3. Advice for firefighters

Blusinstructies : Fight fire from a safe distance and in a sheltered area. Do not enter the fire area without appropriate safety equipment, including respiratory protection.

Protection during firefighting: Do not intervene without suitable protective equipment. Independent working breathing apparatus. Full protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For persons other than the emergency services

General measures : Stop leak if safe to do so. Notify authorities if product enters drains or public waters. Contain spilled material to prevent material damage.

6.1.2. For the emergency services

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate contaminated area.

6.1.2. Environmental precautions

Protective equipment : Do not intervene without appropriate protective equipment. For further information, see Section 8: "Exposure Controls/Personal Protection."

Emergency procedures : Remove unnecessary personnel. Seal the leak if it is safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Containment and cleaning methods and materials

Before inclusion : Absorb spills with sand or earth. Contain spills with dikes or absorbents to prevent them from spreading and entering drains or rivers.

If possible, seal the leak without taking any risks.

Cleaning methods : Absorb spilled liquid with absorbent material.

Other information : Take waste or solid residues to an approved waste handling facility.

6.4. Reference to other sections

For further information, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling of the substance or mixture

Additional hazards during processing : Not expected to present a significant hazard under normal conditions of use.

Precautions for safe handling of the substance or mixture : Ensure good ventilation in the processing area, to avoid the formation of vapours.

Hygienic measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures : Store in a cool, well-ventilated area, away from heat.

Storage conditions: Keep container closed when not in use. Store in a cool, well-ventilated area away from heat.

Storage temperature : 0 – 40 °C

Packaging material : Always store the product in packaging made of the same material as the original packaging.

7.3. Specific end use

No additional information available

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters

VROOAM MARINE OUTBOARD 10W40	
EU - Occupational exposure limits	
Exposure limits/standards that can be set when handling this product. When mists or fogs may occur, the following is recommended:	5 mg/m ³ - ACGIH TLV (inhalable fraction).
distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	
EU - Occupational exposure limits	
IOEL TWA	5 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Formed Air Pollutants

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls Appropriate engineering controls

: Ensure good ventilation of the workplace.

Material selection of protective clothing

: Wear suitable protective clothing

Protection of the hands

Protective gloves

Type	Material	Permeation	Thickness	Penetration	Norm
Reusable gloves	Nitrilrubber (NBR), Neoprene rubber (HNBR)	6 (>480 minutes)	(mm) >=0.35		EN ISO 374

Eye protection

: Close-fitting glasses

Type	Use	Features	Norm
Safety glasses	Droplets	Bright	IN 166

Skin and body protection

: Wear suitable protective clothing

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Symbol(s) for personal protective equipment:



Limitation and control of environmental exposure

: Avoid release to the environment.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical condition	Liquid
Colour	brown.
Smell	characteristic.
Odor threshold value	Not available
Melting point	Not applicable -27 °C -
Freezing point	ASTM D5950 (pour point)
Boiling point	Not available
Flammability	Not applicable Presents
Explosive properties	no specific fire or explosion hazard.
Lowest explosion limit value	Not available
Upper explosion limit value	Not available
Flash point	242 °C - ASTM D92 (COC)
Auto-ignition temperature	Not available
Analysis temperature pH	Not available
Viscosity, kinematic	Not available 140
Solubility	mm²/s (40 °C) - ASTM D7042
Partition coefficient n-octanol/water (Log Kow)	Water: Insoluble / Poorly miscible
Vapor pressure	Not available
Vapor pressure at 50°C	Not available 0.881
Density	kg/l (15 °C) - ASTM D4052
Relative density	Not available
Relative vapour density at 20°C	Not available
Particle characteristics	Not applicable

9.2. Other information

9.2.1. Information on physical hazard classes

No additional information available

9.2.2. Other safety features

VOC content: 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal use conditions. Reacts violently with (strong) oxidizing agents.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No decomposition under normal storage 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

distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/mist)	5,53 mg/l/4u

Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 5000 mg/m³

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 5,53 mg/l/4u

distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/mist)	5,53 mg/l/4u

distillates (petroleum), solvent-dewaxed paraffinic (64742-65-0)

LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
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Skin corrosion/irritation	: Not classified
Serious eye damage/eye irritation	: Not classified
Respiratory/skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT single exposure	: Not classified
STOT - repeated exposure	: Not classified

distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)

LOAEL (oral, rat, 90 days)	125 mg/kg body weight/day
NOAEL (subchronic, oral, animal/male, 90 days)	ÿ 2000 mg/kg body weight
NOAEL (subchronic, oral, animal/female, 90 days)	ÿ 2000 mg/kg body weight

Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

LOAEL (oral, rat, 90 days)	125 mg/kg body weight Animal: rat, Animalsex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

LOAEL (oral, rat, 90 days)	125 mg/kg body weight Animal: rat, Animalsex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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distillates (petroleum), solvent-dewaxed paraffinic (64742-65-0)

LOAEL (oral, rat, 90 days)	125 mg/kg body weight Animal: rat, Animalsex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	ÿ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Danger of inhalation	: Not classified
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4T Marine Outboard 10W40

Viscosity, kinematic	140 mm²/s (40 °C) - ASTM D7042
distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	
Viscosity, kinematic	< 20,5 mm²/s
Aliphatic, alicyclic, or aromatic hydrocarbon	And
Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)	
Viscosity, kinematic	< 20,5 mm²/s (40 °C) - ASTM D7042

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Aliphatic, alicyclic, or aromatic hydrocarbon	And
distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Viscosity, kinematic	< 20,5 mm²/s
Aliphatic, alicyclic, or aromatic hydrocarbon	And
distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Viscosity, kinematic	< 20,5 mm²/s
Aliphatic, alicyclic, or aromatic hydrocarbon	And

distillates (petroleum), solvent-dewaxed paraffinic (64742-65-0)	
Viscosity, kinematic	< 20,5 mm²/s @ 40°C
Aliphatic, alicyclic, or aromatic hydrocarbon	And

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Danger to the aquatic environment,
(acute) short term : Not classified

Danger to the aquatic environment, (chronic) long term : Not classified

Not readily biodegradable

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 - Fishing [1]	> 100 mg/l (Pimephales promelas, 96h) (OECD 203 methode)
EC50 - Crustaceans [1]	> 10000 mg/l (Gammarus pulex, 48h) (OECD 202 method)
EC50 72h - Algae [1]	> 100 mg/l
NOEC (acute)	ÿ 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 201 method)
NOEC chronic crustaceans	10 mg/l (Daphnia magna, 21d) (OECD 211 method)
distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
LC50 - Fishing [1]	> 100 mg/l 96h
EC50 - Crustaceans [1]	> 10000 mg/l

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EC50 72h - Algae [1]	≥ 100 mg/l
NOEC chronic crustaceans	10 mg/l 21d

12.2. Persistence and degradability

4T Marine Outboard 10W40	
Persistence and degradability	Not readily biodegradable
distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	
Persistence and degradability	Possibly biodegradable.
Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)	
Persistence and degradability	Not readily biodegradable
distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Persistence and degradability	Not readily biodegradable
Biodegradation	31 % (28d) (OECD 301F method)
distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Persistence and degradability	Not established.
Biodegradation	31% (OECD 301F method)
distillates (petroleum), solvent-dewaxed paraffinic (64742-65-0)	
Persistence and degradability	Not readily biodegradable

12.3. Bioaccumulation

distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	
Partition coefficient n-octanol/water (Log Pow) > 3	
distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Partition coefficient n-octanol/water (Log Pow) > 6	
Bioaccumulation	Not established.

12.4. Mobility in soil

distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	
Ecology - soil	Insoluble in water.

12.5. Results of PBT and vPvB assessment

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Component	
Substance(s) do not meet the PBT criteria of REACH Regulation, in accordance with Annex XIII	distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)
Substance(s) do not meet the vPvB criteria of REACH Regulation, in accordance with Annex XIII	distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste legislation

: Waste disposal in accordance with legal provisions.

Waste processing methods

: Do not allow to enter drains or watercourses. Dispose of contents/container in accordance with the sorting instructions of an approved collection agency.

Recommendations for wastewater disposal

: Waste disposal in accordance with legal provisions.

Recommendations for disposal of products/packages

: Dispose of in a safe manner in accordance with local/national regulations.

Additional information

: Do not reuse empty packaging.

European Waste List (LoW, EC 2000/532)

: 13 02 05* - non-chlorinated mineral engine, gear and lubricating oils.

SECTION 14: Transport information

In accordance with the requirements of ADR / RID / IMDG / IATA / ADN

ADR	IMDG	BEHOLD	DNA	RID
14.1. UN number				
Not applicable 14.2. UN	Not applicable	Not applicable	Not applicable	Not applicable
proper shipping name Not applicable Not applicable Not applicable 14.3. Transport hazard				
class(es)			Not applicable	Not applicable
Not applicable 14.4.	Not applicable	Not applicable	Not applicable	Not applicable
Packing group Not applicable				
14.5. Environmental	Not applicable	Not applicable	Not applicable	Not applicable
hazards Not applicable				
No additional information available	Not applicable	Not applicable	Not applicable	Not applicable

14.6 Special precautions for user

Land transport : Not applicable
Transport by sea : Not applicable
Air transport : Not applicable
Transport by inland waterway : Not applicable
Rail transport : Not applicable

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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: Regulations

15.1. Specific safety, health and environmental regulations and legislation for the substance or mixture

15.1.1. EU regulations

REACH Annex XVII (substances with restricted use)

REACH list of restrictions (Annex XVII)		
Reference	Applicable to code 3(b)	Mention or description
	Distillates (petroleum), solvent-dewaxed light paraffinic; distillates (petroleum), solvent-refined light paraffinic; distillates (petroleum), hydrotreated heavy paraffinic; distillates (petroleum), hydrotreated light paraffinic; distillates (petroleum), solvent-dewaxed paraffinic	Substances or mixtures that meet the criteria for any of the hazard classes listed below or - categories according to Annex I of EC Regulation 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

REACH Annex XIV (list of substances subject to authorisation)

Does not contain any substance(s) included in REACH Annex XIV (list of substances subject to authorisation)

REACH Candidate List (SVHC)

Does not contain any substance(s) included in the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Does not contain substances included in the PIC list (Regulation EU 649/2012 on the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Does not contain substances included in the POP list (Regulation EU 2019/1021 on organic pollutants)

Ozone Regulation (1005/2009)

Does not contain any substances included in the list of ozone-depleting substances (Regulation EU 1005/2009 on substances that deplete the ozone layer (affect))

Dual-Use Regulation (428/2009)

Does not contain a substance covered by COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 establishing a Community regime for the control of export, transfer, brokering and transit of articles for products intended for dual use.

VOC Directive (2004/42)

VOC content: 0 %

Explosives Precursors Regulation (2019/1148)

Does not contain substances included in the list of explosives precursors (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Precursors Regulation (273/2004)

Does not contain substances included in the list of precursors for medicinal products (Regulation EC 273/2004 on the production and placing on the market of certain substances used in the illicit production of narcotic drugs and psychotropic substances)

15.1.2. National regulations

The Netherlands

ABM category

: A(4) - Slightly harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

SZW list of carcinogenic substances

: None of the ingredients are present

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SZW list of mutagenic substances	: None of the ingredients are present
SZW list of reprotoxic substances – Breastfeeding	: None of the ingredients are present
SZW list of reprotoxic substances – Fertility	: None of the ingredients are present
SZW list of reprotoxic substances – Development	: None of the ingredients are present

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

A chemical safety assessment has been carried out for the following substances in this mixture:
distillates (petroleum), solvent-dewaxed light paraffinic

SECTION 16: Other information

Notification of changes			
Section	Modified item	Change	Comments
	Date of revision	Altered	
	Replaces	Altered	
	Product type	Added	
1.2	Function or category of use	Deleted	
3	Composition and information on ingredients	Altered	
4.1	General first aid	Added	
4.2	Symptoms/effects after inhalation	Added	
4.2	Symptoms/effects after skin contact	Added	
4.2	Symptoms/effects after ingestion by the mouth	Added	
4.2	Symptoms/effects after eye contact	Added	
5.2	Explosion hazard	Added	
5.2	Fire hazard	Altered	
5.2	Hazardous decomposition products in case of fire	Altered	
5.3	Blusinstructions	Added	
6.1	Emergency procedures	Added	
6.1	Protective equipment	Added	
6.1	General measures	Added	
6.3	Before inclusion	Added	

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7.1	Additional hazards during processing	Added	
7.2	Packaging material	Added	
7.2	Technical measures	Added	
8.2	Personal protective equipment	Added	
13.1	Recommendations for wastewater disposal	Added	
13.1	Additional information	Added	
13.1	Regional waste legislation	Added	
13.1	H-code	Added	
15.1	REACH Annex XVII	Altered	

Abbreviations and acronyms:

DNA	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 assessment
BCF	Bioconcentration factor
Commentator	Biological limit value
THAT	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect Dose
DNEL	Derived no-effect level
EC No.	European Commission Number
EC50	Median effective concentration
IN	European standard
IARC	International Centre for Research on Cancer
BEHOLD	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Concentration that causes death in 50% of a test population
LD50	Dose that causes death in 50% of a test population (median lethal dose)
LOEL	Lowest dose or concentration at which an adverse effect was observed
NOAH	Concentration at which no harmful effect was observed
NOAEL	Dose or concentration at which no adverse effect was observed
NOEC	Concentration with no observed effects

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OECD	Organisation for Economic Co-operation and Development, OECD
OIL	Occupational exposure limit
PBT	Persistent, bioaccumulative and toxic substance
PNEC	Predicted no-effect concentration(s)
RID	Regulations concerning the international carriage of dangerous goods by rail
VIB	Safety data sheet
STP	Water purification plant
ThZV	Theoretical oxygen demand (TZV)
TLM	Median Tolerance Limit
YOUR	Volatile organic compounds
CAS No.	Chemical Abstract Service - Nummer
N.E.G.	Not Elsewhere Mentioned
vPzB	Very persistent and very bioaccumulative, vPvB
ED	Endocrine disrupting properties

Full text of sentences H and EUH:	
Asp. Tox. 1	Aspiration hazard, Category 1
EUH210	Safety data sheet available on request.
H304	May be fatal if swallowed and enters airways.

VIB EU (REACH Annex II)

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