

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RSB 12FE SAE 0W-30

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

1.1. Product identifier

HIGHTEC SYNT RSB 12FE SAE 0W-30

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

Use of the substance/mixture

Mineral oil

1.3. Details of the supplier of the safety data sheet

Company name: ROWE Mineralölwerk GmbH

Street: Langgewann 101
Place: D-67547 Worms

Telephone: +49 (0)6241 5906-0 Telefax: +49 (0)6241 5906-999

E-mail: info@rowe-oil.com
Contact person: Product Compliance
E-mail: sdb@rowe-oil.com
Internet: www.rowe-oil.com

<u>1.4. Emergency telephone</u> Ireland: Public (8am-10pm) +353 180 921 66, Healthcare Professionals +353

number: 1809 2566 other Countries: Emergency CONTACT (24-Hour-Number): GBK

GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

C14-C16-C18 Alkylphenole

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P302+P352 IF ON SKIN: Wash with plenty of Water and soap.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to of the disposal according to local regulations.

2.3. Other hazards

No information available.



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification (Regulation (EC) N	o 1272/2008)			
64742-54-7	Distillates (petroleum), hydrotreat	60 - < 100 %			
	265-157-1	649-467-00-8	01-2119484627-25		
	Asp. Tox. 1; H304				
68649-12-7	1-Decene, tetramer, mixed with 1	-decene trimer, hydrogenated		2.5 - < 5 %	
			01-2119527646-33		
	Asp. Tox. 1; H304				
163149-28-8	1-Dodecene, polymer with 1-dece	ene and 1-octene, hydrogenat	ed	2.5 - < 5 %	
	605-315-2		01-2119543695-30		
	Asp. Tox. 1; H304				
151006-60-9	1-Dodecene, polymer with 1-dece	2.5 - < 5 %			
	604-767-8		01-2119523580-47		
	Asp. Tox. 1; H304				
72623-87-1	Lubricating oils (petroleum), C20-	1 - < 2.5 %			
	276-738-4	649-483-00-5	01-2119474889-13		
	Asp. Tox. 1; H304				
72623-86-0	Lubricating oils (petroleum), C15-	1 - < 2.5 %			
	276-737-9	649-482-00-X	01-2119474878-16		
	Asp. Tox. 1; H304				
36878-20-3	Bis(nonylphenyl)amine			1 - < 2.5 %	
	253-249-4		01-2119498288-19		
	Aquatic Chronic 4; H413				
	C14-C16-C18 Alkylphenole	1 - < 2.5 %			
	931-468-2		01-2119498288-19		
	Skin Sens. 1, STOT RE 2; H317				

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



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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity		
	Specific Cond	Specific Conc. Limits, M-factors and ATE			
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	60 - < 100 %		
	dermal: LD5	0 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg			
68649-12-7		1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	2.5 - < 5 %		
	dermal: LD5	0 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg			
72623-87-1	276-738-4	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified	1 - < 2.5 %		
	dermal: LD5	0 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg			
72623-86-0	276-737-9	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified	1 - < 2.5 %		
	dermal: LD5	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg			
36878-20-3	253-249-4	Bis(nonylphenyl)amine	1 - < 2.5 %		
	oral: LD50 =	> 5000 mg/kg			
	931-468-2	C14-C16-C18 Alkylphenole	1 - < 2.5 %		
dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg					

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink 1 glass of of water.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid contact with skin, eyes and clothes. Do not breathe mist/vapours/spray.

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For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment.

For emergency responders

Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

Stop leak if safe to do so. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Mineral oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



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DNEL/DMEL values

CAS No	Substance				
DNEL type		Exposure route	Effect	Value	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
Worker DNEL,	long-term	inhalation	local	5,58 mg/m³	
Worker DNEL,	long-term	dermal	systemic	0,97 mg/kg bw/day	
Worker DNEL,	long-term	inhalation	systemic	2,73 mg/m³	
Consumer DNE	EL, long-term	inhalation	local	1,19 mg/m³	
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day	
72623-86-0	72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified				
Worker DNEL, long-term		inhalation	systemic	2,73 mg/m³	
Worker DNEL, long-term		inhalation	local	5,58 mg/m³	
Worker DNEL, long-term		dermal	systemic	0,97 mg/kg bw/day	
Consumer DNE	EL, long-term	inhalation	local	1,19 mg/m³	
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day	
	C14-C16-C18 Alkylphenole				
Worker DNEL,	long-term	inhalation	systemic	1,17 mg/m³	
Worker DNEL, long-term		dermal	systemic	0,3 mg/kg bw/day	

PNEC values

CAS No	Substance				
Environmental	compartment	Value			
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
Secondary pois	soning	9,33 mg/kg			
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified				
Secondary pois	soning	9,33 mg/kg			
	C14-C16-C18 Alkylphenole				
Freshwater		0,1 mg/l			
Freshwater (in	ermittent releases)	1 mg/l			
Marine water					
Freshwater sed	4266,16 mg/kg				
Marine sedime	426,62 mg/kg				
Secondary poi	3,3 mg/kg				
Micro-organisms in sewage treatment plants (STP)		100 mg/l			
Soil 852,58 mg/					

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the



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specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: brown
Odour: characteristic

Test method

Melting point/freezing point:

Boiling point or initial boiling point and

not determined
not determined

boiling range:

Flammability:

Lower explosion limits:

Not readily combustible.

not determined

Upper explosion limits:

not determined

Flash point: >210 °C ASTM D 92

Auto-ignition temperature: not determined
Decomposition temperature: not determined
pH-Value: not determined

Viscosity / kinematic: ~ 9,9 mm²/s ASTM D 7042

(at 100 °C)

Water solubility:

The study does not need to be conducted because the substance is known to be

insoluble in water.

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined Vapour pressure: not determined

Density (at 15 °C): ~ 0,841 g/cm³ DIN 51757

Relative vapour density: not determined Particle characteristics: not relevant

9.2. Other information

Other safety characteristics

Pour point: ~ -39 °C ASTM D 97-66

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.



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10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	AS No Chemical name						
	Exposure route	Dose		Species	Source	Method	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified						
	oral	LD50 mg/kg	> 5000	Rat	REACh Dossier	OECD 401	
	dermal	LD50 mg/kg	> 5000	Rabbit	REACh Dossier	OECD 402	
68649-12-7	1-Decene, tetramer, m	ixed with 1-d	ecene trimer,	hydrogenated			
	oral	LD50 mg/kg	> 5000	Rat	Study report (1994)	OECD Guideline 401	
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1995)	OECD Guideline 402	
72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified			Baseoil - unspecified				
	oral	LD50 mg/kg	> 5000	Rat	Study report (1982)	OECD Guideline 401	
	dermal	LD50 mg/kg	> 5000	Rabbit	Study report (1982)	OECD Guideline 402	
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified						
	oral	LD50 mg/kg	> 5000	Rat	REACh Dossier	OECD 401	
	dermal	LD50 mg/kg	> 5000	Rabbit	REACh Dossier	OECD 402	
36878-20-3	Bis(nonylphenyl)amine	,					
	oral	LD50 mg/kg	> 5000	Rat	Study report (1981)	OECD Guideline 401	
	C14-C16-C18 Alkylphe	enole					
	oral	LD50 mg/kg	> 2000	Rat	REACh Dossier	OECD 423	
	dermal	LD50 mg/kg	> 2000	Rat	REACh Dossier	OECD 402	

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (C14-C16-C18 Alkylphenole)



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Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

11.2. Information on other hazards

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

The product is not: Ecotoxic.



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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
64742-54-7	Distillates (petroleum), hy	drotreated l	neavy paraffin	ic; Base	oil - unspecified		
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Pimephales promelas (fathead minnow)	REACh Dossier	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Pseudokirchneriella subcapitata	REACh Dossier	OECD 201
	Acute crustacea toxicity	EL50 mg/l	> 10000	48 h	Daphnia magna (Big water flea)	REACh Dossier	OECD 202
	Fish toxicity	NOEC mg/l	>= 1000	14 d	Oncorhynchus mykiss (Rainbow trout)	REACh Dossier	QSAR
	Crustacea toxicity	NOEC mg/l	> 10	21 d	Daphnia magna (Big water flea)	REACh Dossier	OECD 211
68649-12-7	1-Decene, tetramer, mixe	d with 1-de	cene trimer, h	ydrogen	ated		
	Acute fish toxicity	LL50 mg/l	> 1000	96 h	Oncorhynchus mykiss	Study report (1995)	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 1000	96 h	Raphidocelis subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EL50 mg/l	> 1000	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified						
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Pimephales promelas	Study report (1995)	OECD Guideline 203
	Fish toxicity	NOEC mg/l	>= 1000	14 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
72623-86-0	Lubricating oils (petroleur	n), C15-30,	hydrotreated	neutral o	oil-based; Baseoil - unspe	ecified	
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Pimephales promelas (fathead minnow)	REACh Dossier	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Pseudokirchneriella subcapitata	REACh Dossier	OECD 201
	Acute crustacea toxicity	EL50 mg/l	> 10000	48 h	Daphnia magna (Big water flea)	REACh Dossier	OECD 202
	Fish toxicity	NOEC mg/l	>= 1000	14 d	Oncorhynchus mykiss (Rainbow trout)	REACh Dossier	QSAR
	Algae toxicity	NOEC mg/l	>= 100	3 d	Pseudokirchneriella subcapitata	REACh Dossier	OECD 201
	Crustacea toxicity	NOEC mg/l	> 10	21 d	Daphnia magna (Big water flea)	REACh Dossier	OECD 211

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
	OECD 301B	21 %	28	REACh Dossier	
	Not easily bio-degradable (according to OECD-criteria).				
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified				
	OECD 301F	31 %	28	REACh Dossier	
	Not easily bio-degradable (according to OECD-criteria).				



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12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68649-12-7	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	> 6,5
36878-20-3	Bis(nonylphenyl)amine	7,58
	C14-C16-C18 Alkylphenole	> 16000000

BCF

CAS No	Chemical name	BCF	Species	Source
36878-20-3	Bis(nonylphenyl)amine	411	Cyprinus carpio	Study report (2000)

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN

CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated

engine, gear and lubricating oils; hazardous waste

List of Wastes Code - used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN

CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated

engine, gear and lubricating oils; hazardous waste

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.

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14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Information according to Directive

Not subject to 2012/18/EU (SEVESO III)

2012/18/EU (SEVESO III):

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3.



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Abbreviations and acronyms

Asp. Tox: Aspiration hazard Skin Sens: Skin sensitisation

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Chronic: Chronic aquatic hazard

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate LL50: Lethal loading, 50% EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H413 May cause long lasting harmful effects to aquatic life.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible

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for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)