Print date: 04.03.2024



### **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

#### HIGHTEC SYNT RS SAE 0W-30 HC-C2

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

#### 1.1. Product identifier

HIGHTEC SYNT RS SAE 0W-30 HC-C2

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

### 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

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

<u>number:</u> 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

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

## 2.2. Label elements

### 2.3. Other hazards

No information available.

### **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures



according to Regulation (EC) No 1907/2006

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# Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) N			
64742-54-7	Distillates (petroleum), hydrotrea	ted heavy paraffinic; Baseoi	I - unspecified	60 - < 100 %
	265-157-1	649-467-00-8	01-2119484627-25	
	Asp. Tox. 1; H304	,	·	
68649-12-7	1-Decene, tetramer, mixed with	I-decene trimer, hydrogenat	ed	15 - < 30 %
			01-2119527646-33	
	Asp. Tox. 1; H304			
163149-28-8	1-Dodecene, polymer with 1-dec	ene and 1-octene, hydroger	ated	15 - < 30 %
	605-315-2		01-2119543695-30	
	Asp. Tox. 1; H304			
151006-60-9	1-Dodecene, polymer with 1-dec	15 - < 30 %		
	604-767-8		01-2119523580-47	
	Asp. Tox. 1; H304			
246538-78-3	Hydrocarbons, C11-C13, isoalka	1 - < 2.5 %		
	920-901-0		01-2119456810-40	
	Asp. Tox. 1; H304 EUH066			
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified			1 - < 2.5 %
	276-738-4			
	Asp. Tox. 1; H304	•		
72623-86-0	Lubricating oils (petroleum), C15	-30, hydrotreated neutral oil	-based; Baseoil - unspecified	1 - < 2.5 %
	276-737-9	649-482-00-X	01-2119474878-16	
	Asp. Tox. 1; H304			
22464-99-9	2-ethylhexanoic acid, zirconium salt			0.3 - < 1 %
	245-018-1		01-2119979088-21	
	Repr. 2; H361d			

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

## Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc	Limits, M-factors and ATE	
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	60 - < 100 %
	dermal: LD50	= > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
68649-12-7		1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	15 - < 30 %
	dermal: LD50	= > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
246538-78-3	920-901-0	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	1 - < 2.5 %
	oral: LD50 = 3	> 5000 mg/kg	
72623-87-1	276-738-4	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified	1 - < 2.5 %
	dermal: LD50	= > 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: LD50	= > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
22464-99-9	245-018-1	2-ethylhexanoic acid, zirconium salt	0.3 - < 1 %
	dermal: LD50	= ca. 6300 mg/kg; oral: LD50 = > 5000 mg/kg	



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### **HIGHTEC SYNT RS SAE 0W-30 HC-C2**

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#### **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.

#### 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



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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.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### **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 DN	EL, long-term	inhalation	local	1,19 mg/m³			
Consumer DNI	EL, long-term	oral	systemic	0,74 mg/kg bw/day			
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral of	oil-based; Baseoil - uns	pecified				
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 DN	EL, long-term	inhalation	local	1,19 mg/m³			
Consumer DNI	EL, long-term	oral	systemic	0,74 mg/kg bw/day			
22464-99-9	2-ethylhexanoic acid, zirconium salt						
Worker DNEL,	long-term	inhalation	systemic	32,97 mg/m³			
Worker DNEL, long-term		dermal	systemic	6,49 mg/kg bw/day			
Consumer DNEL, long-term		inhalation	systemic	8,13 mg/m³			
Consumer DNEL, long-term		dermal	systemic	3,25 mg/kg bw/day			
Consumer DNI	EL, long-term	oral	systemic	4,51 mg/kg bw/day			



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#### **PNEC values**

CAS No	Substance						
Environmenta	Environmental compartment Value						
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified						
Secondary po	isoning	9,33 mg/kg					
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified						
Secondary po	isoning	9,33 mg/kg					
22464-99-9	2-ethylhexanoic acid, zirconium salt						
Freshwater		0,36 mg/l					
Freshwater (in	ntermittent releases)	0,493 mg/l					
Marine water		0,036 mg/l					
Freshwater se	ediment	6,37 mg/kg					
Marine sedim	0,637 mg/kg						
Micro-organis	71,7 mg/l						
Soil		1,06 mg/kg					

#### 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 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:

Upper explosion limits:

Not readily combustible.

not determined

not determined

Flash point: >236 °C DIN ISO 2592

Auto-ignition temperature: not determined

Decomposition temperature: not determined



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### HIGHTEC SYNT RS SAE 0W-30 HC-C2

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pH-Value: not applicable

Viscosity / kinematic: ~ 10, mm²/s DIN 51562

(at 100 °C)

Water solubility: practically insoluble

(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Vapour pressure: <0,1 hPa calculated.

(at 20 °C)

Density (at 15 °C): ~ 0,845 g/cm³ DIN 51757

Relative vapour density: not determined Particle characteristics: not relevant

9.2. Other information

Other safety characteristics

Pour point: ~ -36 °C

# **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.

### 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



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### HIGHTEC SYNT RS SAE 0W-30 HC-C2

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CAS 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, mixe	ed with 1-dec	ene trimer, l	nydrogenated			
	oral	LD50 mg/kg	> 5000	Rat	Study report (1994)	OECD Guideline 401	
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1995)	OECD Guideline 402	
246538-78-3	Hydrocarbons, C11-C13	, isoalkanes,	<2% aromat	tics			
	oral	LD50 mg/kg	> 5000	Rat	Study report (1995)	OECD Guideline 401	
72623-87-1	Lubricating oils (petroleu	m), C20-50,	hydrotreated	l neutral oil-based; Baseoi	I - 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 (petroleu	m), C15-30,	hydrotreated	l neutral oil-based; Baseoi	I - unspecified		
	oral	LD50 mg/kg	> 5000	Rat	REACh Dossier	OECD 401	
	dermal	LD50 mg/kg	> 5000	Rabbit	REACh Dossier	OECD 402	
22464-99-9	2-ethylhexanoic acid, ziro	conium salt					
	oral	LD50 mg/kg	> 5000	Rat	Study report (2008)	OECD Guideline 423	
	dermal	LD50 mg/kg	ca. 6300	Guinea pig	J. Ind. Hyg. Toxicol., Vol. 26, 269-273	no data	

#### Irritation and corrosivity

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

### Sensitising effects

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

# 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.

# 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.



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# **HIGHTEC SYNT RS SAE 0W-30 HC-C2**

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Harmful to aquatic life with long lasting effects.



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# **HIGHTEC SYNT RS SAE 0W-30 HC-C2**

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CAS No	Chemical name									
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method			
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified									
	Acute fish toxicity	LL50 mg/l	> 100		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			
88649-12-7	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			
246538-78-3	Hydrocarbons, C11-C13,	isoalkanes	, <2% aromati	ics						
	Acute algae toxicity	ErC50 mg/l	> 1000	72 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201			
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			
	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 (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - 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			
	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			
22464-99-9	2-ethylhexanoic acid, zirc	onium salt								
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Oryzias latipes	NITE (National Institute of Technology a	OECD Guideline 203			
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Desmodesmus subspicatus	Study report (2009)	OECD Guideline 201			
	Acute crustacea toxicity	EC50	106 mg/l	48 h	Daphnia magna	Study report (1993)	other: EPA/600/4-85/0 3 Methods for meas			



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Algae toxicity	NOEC mg/l	> 200	15 d	Ŭ	Aquatic Botany, 4, p. 359-366 (1978)	other:
Crustacea toxicity	NOEC	25 mg/l	21 d	Daphnia magna	, ,	OECD Guideline 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-ba	sed; Baseoil - unspecified						
	OECD 301F         31 %         28         REACh Dossier							
	Not easily bio-degradable (according to OECD-criteria).							

#### 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
246538-78-3	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	>= 1,99

### **BCF**

CAS No	Chemical name	BCF	Species	Source
246538-78-3	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	>= 6,91	calculated	REACh Registration D
22464-99-9	2-ethylhexanoic acid, zirconium salt	2,96		Calculation report (

### 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**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

#### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### **Disposal recommendations**

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

#### 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



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#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### **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.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 75

Information according to Directive

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

2012/18/EU (SEVESO III):

#### **Additional information**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

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.



according to Regulation (EC) No 1907/2006

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#### **SECTION 16: Other information**

#### Changes

This data sheet contains changes from the previous version in section(s): 9,12,16.

### Abbreviations and acronyms

Asp. Tox: Aspiration hazard Repr: Reproductive toxicity

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).

### Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.
H361d Suspected of damaging the unborn child.

EUH066 Repeated exposure may cause skin dryness or cracking.

### **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 for adhering to existing laws and regulations. The above data are intended to describe our product in terms of any safety requirements to be observed. They reflect the state of our current knowledge and experience and

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# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

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shall not be construed as warranted characteristics. Any warranty for accuracy and completeness shall be expressly excluded.

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