

according to Regulation (EC) No 1907/2006

**DIVINOL BOHR- UND LUFTHAMMERÖL UNIVERSAL** 

Article No.: 06040

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

# 1.1. Product identifier

Revision date: 18.09.2023

**ZELLER+GMELIN** 

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

Use of the substance/mixture

# I ubricant

# 1.3. Details of the supplier of the safety data sheet

Company name:	Zeller+Gmelin GmbH & Co. KG	
Street:	Schlossstr. 20	
Place:	D-73054 Eislingen	
Telephone:	+49 (0) 7161 / 802-0	Telefax: +49 (0) 7161 / 802-290
E-mail:	info@zeller-gmelin.de	
Contact person:	Thorsten Grönig	Telephone: +49 (0) 7161 / 802-268
E-mail:	produktsicherheit@zeller-gmelin.de	
Internet:	www.zeller-gmelin.de	
Responsible Department:	Produktsicherheit / Product Safety	
1.4. Emergency telephone	GBK/Infotrac ID 103334 international: (001	) 352 323 3500

### number:

# **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

dibutyl[[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate Warning

Signal word:

**Pictograms:** 

### Hazard statements

H317

May cause an allergic skin reaction.

### **Precautionary statements**

•	
P102	Keep out of reach of children.
P261	Avoid breathing mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves and eye protection/face 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.
P362+P364	Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

No further relevant information available.

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

# 3.2. Mixtures

# **Chemical characterization**

Mineral oil-based mixture. Mineral oil with DMSO extract < 3 % as measured by IP 346.

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**Relevant ingredients** 

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)		
68413-48-9	dibutyl[[bis[(2-ethylhexyl)oxy]phosp	dibutyl[[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate		1 - < 2.5 %
	270-220-1		01-2120786863-37	
	Skin Sens. 1B, Aquatic Chronic 4; I	H317 H413		

# 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. L	imits, M-factors and ATE	
68413-48-9	270-220-1	dibutyl[[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate	1 - < 2.5 %
	oral: LD50 = 11	300 mg/kg	

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

### **General information**

When in doubt or if symptoms are observed, get medical advice. If unconscious but breathing normally, place in recovery position and seek medical advice. Remove contaminated, saturated clothing immediately.

### After inhalation

Remove casualty to fresh air and keep warm and at rest.

# After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Let water be drunken in little sips (dilution effect). Call a physician immediately. Do NOT induce vomiting.

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

When in doubt or if symptoms are observed, get medical advice.

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

No information available.

### **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

# Suitable extinguishing media

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO2).

### Unsuitable extinguishing media

Full water jet.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon monoxide Carbon dioxide (CO2). Do not inhale explosion and combustion gases.

### 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. Do not allow to enter into soil/subsoil.

### **SECTION 6: Accidental release measures**

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### 6.1. Personal precautions, protective equipment and emergency procedures

### **General advice**

Protective measures: see section 7 + 8.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Clean contaminated articles and floor according to the environmental legislation.

# 6.3. Methods and material for containment and cleaning up

# Other information

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.

### 6.4. Reference to other sections

Protective measures: see section 7 + 8.

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

### Advice on safe handling

Use personal protection equipment. Do not eat, drink or smoke when using this product. Provide fresh air. Handle and open container with care. Conditions to avoid: generation/formation of aerosols.

### Advice on protection against fire and explosion

No special measures are necessary.

### Advice on general occupational hygiene

When using do not eat, drink, smoke, sniff.

### 7.2. Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Protect against: Frost. Keep away from heat. Protect from direct sunlight. Keep container tightly closed in a cool, well-ventilated place.

# 7.3. Specific end use(s)

Observe technical data sheet.

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

### 8.1. Control parameters

# DNEL/DMEL values

CAS No	Substance	-	-	
DNEL type		Exposure route	Effect	Value
68413-48-9	dibutyl[[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate			
Worker DNEL,	long-term	dermal	systemic	14 mg/kg bw/day
Worker DNEL,	long-term	inhalation	systemic	49,3 mg/m³
Consumer DNE	EL, long-term	dermal	systemic	5 mg/kg bw/day
Consumer DNE	EL, long-term	inhalation	systemic	8,7 mg/m³
Consumer DNE	EL, long-term	oral	systemic	5 mg/kg bw/day

### Additional advice on limit values

a no restriction

b End of exposure or end of shift

c at long-term exposure:

d before next shift

Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept

Z: A risk of reproductive effects cannot to be excluded if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept



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blood (B) Urine (U)

# 8.2. Exposure controls

### Appropriate engineering controls

See section 7. No additional measures necessary.

### Individual protection measures, such as personal protective equipment

### Eye/face protection

Eye glasses with side protection (EN ISO 16321).

### Hand protection

Wear suitable gloves. Recommended glove articles: EN ISO 374. Suitable material: NBR (Nitrile rubber). Breakthrough time: > 480 min (Thickness of the glove material: 0.4 mm). Breakthrough times and swelling properties of the material must be taken into consideration. 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. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

### Skin protection

Protective clothing.

### **Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required. When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used. Suitable respiratory protection apparatus: Filtering Half-face mask (EN 149), e.g. FFA P / FFP3.

### **Environmental exposure controls**

Do not allow to enter into surface water or drains.

### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid		
Colour:	yellowish		
Odour:	characteristic		
			Test method
Melting point/freezing point:		not determined	
Boiling point or initial boiling point and		not determined	
boiling range:			
Flammability:		not determined	
Lower explosion limits:		0,6 vol. %	
Upper explosion limits:		6,5 vol. %	
Flash point:		> 180 °C	EN ISO 2592
Auto-ignition temperature:		not determined	
Decomposition temperature:		not determined	
pH-Value:		not applicable	
Viscosity / kinematic:		22 mm²/s	ASTM D 7042
(at 40 °C)		insoluble	
Water solubility: Partition coefficient n-octanol/water:		not determined	
Vapour pressure:		< 0,1 hPa	
(at 20 °C)		< 0,1 m a	
Density (at 15 °C):		0.91 a/cm³	DIN EN ISO 12185
Relative vapour density:		not determined	
Particle characteristics:		not applicable	
9.2. Other information			
Other safety characteristics			
Pour point:		< -35 °C	ASTM D 7346
Viscosity / dynamic:		not determined	
Flow time:		not determined	



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### **Further Information**

No further relevant information available.

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

No information available.

# 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

#### 10.4. Conditions to avoid

Heat.

#### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No information available.

### **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	Chemical name					
	Exposure route	Dose		Species	Source	Method
68413-48-9	dibutyl[[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate					
		LD50 1130 mg/kg	00	Rat	ECHA	OECD 401

#### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met. Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

May cause an allergic skin reaction. (dibutyl[[bis](2-ethylhexyl)oxy]phosphinothioyl]thio]succinate)

#### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: 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

Keeping to the general worker's protection rules and the industrial hygienics, there is no risk in handling this product through the personnel.

### **SECTION 12: Ecological information**

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# 12.1. Toxicity

There are no data available on the mixture itself.

# 12.2. Persistence and degradability

There are no data available on the mixture itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
68413-48-9	dibutyl[[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate			
	OECD 301B	12,1 %	28	
	Not readily biodegradable (according to OECD criteria)			

### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68413-48-9	dibutyl[[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate	6,5

### 12.4. Mobility in soil

No data available

### 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 data available

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

### **Disposal recommendations**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

### 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

### Contaminated packaging

Non-contaminated packages may be recycled. Consult the appropriate local waste disposal expert about waste disposal.

# **SECTION 14: Transport information**

### Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation. 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: Marine transport (IMDG) 14.1. UN number or ID number: No dangerous good in sense of this transport regulation. 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: Marine pollutant: NO Air transport (ICAO-TI/IATA-DGR) 14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

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18.08.2022       Article No.: 06040       Page 7 of 8         14.2. UN proper shipping name:       No dangerous good in sense of this transport regulation.         14.3. Transport hazer cleases(a):       No dangerous good in sense of this transport regulation.         14.4. Decision of the sense of this transport regulation.       Mo dangerous good in sense of this transport regulation.         14.5. Eavignomental bazards       ENVIRONMENTALLY HAZARDOUS:       No         14.5. Secial presentions for user       No dangerous good in sense of this transport regulation.         14.6. Secial presentions for user       No dangerous good in sense of this transport regulation.         14.6. Secial presentions for user       No dangerous good in sense of this transport regulation.         14.6. Secial presentions for users       No dangerous good in sense of this transport regulation.         15.1 Safety. health and environmental regulation/legislation specific for the substance or mixture       EU regulatory information         15.2 A fields. Secied and the substance in the substance or mixture       EU regulatory information         16.2 Chemical active assessments       Not subject to 2012/18/EU (SEVESO III)         2012 / ISEU (SEVESO III)       2 - obviously hazardous to water         15.2 Chemical active assessments       Not subject to 2012/18/EU (SEVESO III)         2012 / ISEU (SEVESO III)       2 - obviously hazardous to water         15.2 Chemica	Revision date: DI		HR- UND LUFTHAMMERÖL UNIVERSAL	
14.3. Transport hezard classies):       No dangerous good in sense of this transport regulation.         14.4. Teakting group:       No dangerous good in sense of this transport regulation.         14.5. Special proceutions for user       No         No data available       No         14.5. Special proceutions for user       No         No data available       No         55. Special proceutions for user       No         No data available       Special proceutions for user         No data available       Special proceutions for user         Special proceutions of user (REACH, annex XVII):       Entry 3, Entry 76         Directive 20107/5EU on industrial       0 %         emissions:       Information         Notard regulatory information       Water heard datas (D):       2 - obviously hazardous to water         15. Chemical safety assessment       Tosk assessment       Chemical safety assessment         This data sheat contains changes from the previous version in section(s): 1,8,15.       More Chemics Chemic Regulations and accorgming         Shin Sam: Shin samsitisation       Aparte Chemics Chemic Regulation Chemics Chemic Regulation Chemics Chemic Regulation Regulation Region (Social by Regulation Chemics Chemic Regulation Regulation Region (Social by Regulation Chemics Chemics Regulation Regulation Region (Social by Regulation Reg			Article No.: 06040	Page 7 of 8
ENVIRONMENTALLY HAZARDOUS:       No         145. Special presentions for user No data available       No         147. Marttime transport in bulk according to IMO Instruments No data available       No         5500000000000000000000000000000000000	14.3. Transport hazard class(es) 14.4. Packing group:	<u>):</u> N	o dangerous good in sense of this transport regulation.	
No data available  14.7. Maritime transport in bulk according to IMO instruments No data available  SECTION 15: Regulatory information  15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  Uregulatory information  Restrictions on use (REACH, annex XVII): Entry 3, Entry 75 Directive 20107/5/EU on industrial 0 % emissions: Information according to Directive Not subject to 2012/18/EU (SEVESO III) Commical addition addition addition addition addition addition addition 2012/18/EU (SEVESO III) 2012/18/EU (SEVE		DUS: N	0	
No data available           SECTION 15: Regulatory information           11.1 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           Directive 2010/75/EU on industrial         0 % emissions:           Information according to Directive         Not subject to 2012/18/EU (SEVESO III)           2012/18/EU (SEVESO III)         2012/18/EU (SEVESO II				
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture         EU regulatory information         Restrictions on use (REACH, anex XVII): Entry 75         Directive 2010/75/EU on industrial       0 % emissions: Information according to Directive         Not subject to 2012/18/EU (SEVESO III):         National regulatory information         Water hazar class (D):       2 - obviously hazardous to water         15.2. Chemical safety assessment         Chemical safety assessments for substances in this mixture were not carried out.         SECTION 16: Other Information         Valuer hazar class (D):       2 - obviously hazardous to water         15.2. Chemical safety assessments for substances in this mixture were not carried out.         SECTION 16: Other Information         Approximation according of Dangerous Goods by Road)         Rin sensitization         Aquito Chronic: Chronic aquatic hazard         ADR: Accord relatif au transport international ferroviaire des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Reglement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Roai)         ID: Reglement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Civil Aviation Organization         <		cording to IM	IO instruments	
EU regulatory information         Restrictions on use (REACH, annex XVII): Entry 3, Entry 75         Directive 2010/75/EU on industrial       0 % emissions:         Information according to Directive       Not subject to 2012/18/EU (SEVESO III) 2012/18/EU (SEVESO III):         National regulatory information       Water hazard class (D):       2 - obviously hazardous to water <b>52.</b> Chemical safety assessments       Chemical safety assessments for substances in this mixture were not carried out.         SECTION 16: Other information       Skin Sens: Skin sensitisation         Adputations and acconyms       Skin Sens: Skin sensitisation         Apuatic Chronic: Chronic aquatic hazard       ADR: Accord reliaff au transport international ferroviaire des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Read)         RD: Reglement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Read)         MDG: International Air Transport Association       IACA: International Air Transport Association         IACA: Chemical Asstruct Service (a division of the American Chemical Society)       DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicel Mo Setted Concentration       WEL (UK): Workplace Exposure Limits         TAX: International Air Transport Association       ICAO: International Covidity Estimate         LDSO: Lethal Dose, Sociw (	SECTION 15: Regulatory inform	ation		
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emissions:       Information according to Directive       Not subject to 2012/18/EU (SEVESO III);         National regulatory information       Water hazard class (D):       2 - obviously hazardous to water         15.2. Chemical safety assessments       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): 1,8,15.         Abbreviations and acronyms         Skin sensitisation         Aquatic Chronic: Chronic aquatic hazard         ADP. Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Réglement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Roal)         IMDG: International Maritime Code for Dangerous Goods by Roal)         IND: Reglement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Roal)         IND: Reglement concernante transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Roal)         IND: International Maritime Code for Dangerous Goods by Roal)       International Abaritact Service (a division Organization	Restrictions on use (REACH, anr	nex XVII):		
2012/18/EU (SEVESO III):         National regulatory information         Water hazard class (D):       2 - obviously hazardous to water         15. 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): 1,8,15.         Abbreviations and acronyms         Skin Sens: Skin sensilisation         Aquatic Chronic: Chronic aquatic hazard         ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Reglement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)         IMDG: International Air Transport Association         ICAO: International Civil Aviation Organization         CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limit         ATE: Acute Toxicity Estimate         LOS: Lethal Concentration Age evaluation method according to Regulation (EC) No 1272/2008 [CLP]         Classification for mi	emissions:			
Water hazard class (D);       2 - obviously hazardous to water <b>51.Chemical safety assessments</b> The mical safety assessments for substances in this mixture were not carried out. <b>SECTION 15: Other information Changes</b> This data sheet contains changes from the previous version in section(s): 1,8,15. <b>Abbreviations and acronyms</b> Skin Sens: Skin sensitilsation       Aquatic Chronic: Chronic aquatic hazard         ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RD: Reglement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Raid)         IMDC: International Maritime Code for Dangerous Goods by Raid)         IMDC: International Air Transport Association         ICAO: International Corriage of Dangerous Goods         INEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TXF: Acute Toxicity Estimate         LDS0: Lethal Concentration, 50% (median lethal dose)         LCS0: Lethal Concentration, 50% (median lethal dose)	2012/18/EU (SEVESO III):		ot subject to 2012/18/EU (SEVESO III)	
15.2. 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): 1,8,15.         Abbreviations and acronyms         Skin Sens: Skin sensitisation         Aquatic Chronic: Chronic aquatic hazard         ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RD: Reglement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Road)         IMDE: International Maritume Code for Dangerous Goods by Roal)         IMDE: International Maritume Code for Dangerous Goods         IATA: International Cirvi Aviation Organization         CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL: DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TTA: Concentration, 50% (median lethal dose)         LCSO: Lethal Dose, 50% (median lethal concentration)         ECSO: Lethal Concentration				
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): 1,8,15.           Abbreviations and acronyms           Skin Sens: Skin sensitisation           Aquatic Chronic: Chronic aquatic hazard           ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)           RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Road)           IMDG: International Maritime Code for Dangerous Goods by Rail)           IMDG: International Air Transport Association           ICAO: International Air Transport Association           ICAO: International Civil Aviation Organization           CAS: Chemical Abstracts Service (a division of the American Chemical Society)           DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level           PNEC: Predicted No Effect Concentration           WEL (UK): Workplace Exposure Limits           ATE: Acute Toxicity Estimate           LDS0: Lethal Dose, 50% (median lethal concentration)           ECS9: Lethal Concentration           ECS0: Lethal Concentration, 50% (median lethal concentration)		2	- obviously hazardous to water	
SECTION 16: Other information         Changes         This data sheet contains changes from the previous version in section(s): 1,8,15.         Abbreviations and acronyms         Skin Sens: Skin sensitisation         Aquatic Chronic: Chronic aquatic hazard         Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Corriage of Dangerous Goods by Road)         IMDG: International Maritime Code for Dangerous Goods by Rail)         IMDG: International Maritime Code for Dangerous Goods         IATA: International Air Transport Association         ICAO: International Civil Aviation Organization         CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         ATE: Acute Toxicity Estimate         LDS0: Lethal Dose, 50% (median lethal concentration)         ECG0: half maximal Effective Concentration         ECG0: half maximal Effective Concentration         ECG0: helf maximal Effective Concentration         ECG0: CEG0 in terms of redu		. <b>f</b> an au hatan a		
Changes         This data sheet contains changes from the previous version in section(s): 1,8,15.         Abbreviations and acronyms         Skin Sens: Skin sensitisation         Aquatic Chronic: chronic aquatic hazard         ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)         IMDG: International Maritime Code for Dangerous Goods by Rail)         IMDG: International Maritime Code for Dangerous Goods by Rail)         ICAO: International Maritime Code for Dangerous Goods by Rail)         ICAO: International Airi Transport Association         ICAO: International Conflect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TWA (EC): Time-Weighted Average         STEL (EC): Short Term Exposure Limit         ATE: Acute Toxicity Estimate         LD50: Lethal Dose, 50% (median lethal dose)         LC50: Lethal Concentration, 50% (median lethal concentration)         ECS0: EC50 in terms of reduction of growth rate         AvSV: Veorodnung über Anlagen zum Umgang mit wassergefährdenden Stoffen         Classification for mixtures and used evaluation method according to Regulati	-			
This data sheet contains changes from the previous version in section(s): 1,8,15.         Abbreviations and acronyms         Skin Sens: Skin sensitisation         Aquatic Chronic: Chronic aquatic hazard         ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)         IMDG: International Maritime Code for Dangerous Goods         IATA: International Air Transport Association         ICAO: International Civil Aviation Organization         CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TWA (EC): Time-Weighted Average         STEL (EC): Short Term Exposure Limit         ATE: Acute Toxicity Estimate         LD50: Lethal Dose, 50% (median lethal dose)         LC50: ECS0 in terms of reduction of growth rate         AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen         Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]	SECTION 16: Other information			
Skin Sens: Skin sensitisation         Aquatic Chronic: Chronic aquatic hazard         ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)         IMDG: International Maritime Code for Dangerous Goods         IATA: International Maritime Code for Dangerous Goods         IATA: International Air Transport Association         ICAC: International Civil Aviation Organization         CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TWA (EC): Time-Weighted Average         STEL (EC): Short Term Exposure Limit         ATE: Acute Toxicity Estimate         LD50: Lethal Dose, 50% (median lethal dose)         LC50: Lethal Concentration         ErC50: EC50 in terms of reduction of growth rate         AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen         Classification procedure         Skin Sens. 1; H317       Calculation method	-	nges from the	previous version in section(s): 1,8,15.	
Aquatic Chronic: Chronic aquatic hazard         ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)         IMDG: International Maritime Code for Dangerous Goods         IATA: International Maritime Code for Dangerous Goods         IATA: International Air Transport Association         ICAO: International Coviation Organization         CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TWA (EC): Time-Weighted Average         STEL (EC): Short Term Exposure Limit         ATE: Acute Toxicity Estimate         LD50: Lethal Dose, 50% (median lethal dose)         LC50: Lethal Concentration         EC50: half maximal Effective Concentration         EC50: EC50 in terms of reduction of growth rate         AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen         Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]	-			
ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)         RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)         IMDG: International Maritime Code for Dangerous Goods by Rail)         IMDG: International Maritime Code for Dangerous Goods         IATA: International Air Transport Association         ICAO: International Civil Aviation Organization         CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TWA (EC): Time-Weighted Average         STEL (EC): Short Term Exposure Limit         ATE: Acute Toxicity Estimate         LD50: Lethal Concentration, 50% (median lethal concentration)         EC50: half maximal Effective Concentration         ErC50: EC50 in terms of reduction of growth rate         AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen         Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]				
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ICAO: International Civil Aviation Organization         CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TWA (EC): Time-Weighted Average         STEL (EC): Short Term Exposure Limit         ATE: Acute Toxicity Estimate         LD50: Lethal Dose, 50% (median lethal dose)         LC50: Lethal Concentration, 50% (median lethal concentration)         EC50: Short Term soft reduction of growth rate         AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen         Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]         Classification       Classification procedure         Skin Sens. 1; H317       Calculation method			-	
CAS: Chemical Abstracts Service (a division of the American Chemical Society)         DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level         PNEC: Predicted No Effect Concentration         WEL (UK): Workplace Exposure Limits         TWA (EC): Time-Weighted Average         STEL (EC): Short Term Exposure Limit         ATE: Acute Toxicity Estimate         LD50: Lethal Dose, 50% (median lethal dose)         LC50: Lethal Concentration, 50% (median lethal concentration)         EC50: half maximal Effective Concentration         ErC50: EC50 in terms of reduction of growth rate         AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen         Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]         Classification       Classification procedure         Skin Sens. 1; H317       Calculation method				
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Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]         Classification       Classification procedure         Skin Sens. 1; H317       Calculation method		-		
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	Relevant H and EUH statements	s (number an	d full text)	ł



according to Regulation (EC) No 1907/2006

Revision date: 8.09.2023	DIVINOL BOHR- UND LUFTHAMMERÖL UNIVERSAL Article No.: 06040	Page 8 of
H317	May cause an allergic skin reaction.	
H413	May cause long lasting harmful effects to aquatic life.	
•	heet according to COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex (EC) No 1907/2006	. 11
present-day ki	ormation describes exclusively the safety requirements of the product and is based on our nowledge. The information is intended to give you advice about the safe handling of the product safety data sheet, for storage, processing, transport and disposal. The information cannot be other products. In the case of mixing the product with other products or in the case of processing,	

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