

EU safety data sheet

Trade name: Bizol Friction Modifier+ o94

Product no.: 2155

Current version : 1.0.0, issued: 25.02.2022

Replaced version: -, issued: -

Region: IE

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

1.1 Product identifier

Trade name

Bizol Friction Modifier+ o94

UFI:

QDR8-70GC-100G-1QHE

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

Relevant identified uses of the substance or mixture

Additive for mineral oil products

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Bizol Germany GmbH
Martin-Buber-Straße 12
14163 Berlin
Germany

Telephone no. +49 (0) 30 80 48 69-0

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

+353 1 809 2166 (National Poisons Information Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

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

Hazard pictograms

-

Signal word

-

Hazard statement(s)

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P273 Avoid release to the environment.

P501 Dispose of contents/container to a facility in accordance with local and national regulations.

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2.3 Other hazards

PBT assessment
No data available.

vPvB assessment
No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	Distillates (petroleum), hydrotreated light paraffinic		Contains < 3 % DMSO extract (IP 346). pls. refer to footnote (1)
	64742-55-8 265-158-7 649-468-00-3 01-2119487077-29	Asp. Tox. 1; H304	>= 5,00 - < 10,00 wt%
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic		Contains < 3 % DMSO extract (IP 346).
	64742-65-0 265-169-7 649-474-00-6 01-2119471299-27	Asp. Tox. 1; H304	< 5,00 wt%
3	Calcium branched alkyl phenate sulphide		
	- 701-251-5 - 01-2119524004-56	Aquatic Chronic 4; H413	< 5,00 wt%
4	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts		
	84605-29-8 283-392-8 - 01-2119493626-26	Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Irrit. 2; H315	< 2,50 wt%
5	Phenol, dodecyl-, branched		
	121158-58-5 310-154-3 604-092-00-9 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318 Repr. 1B; H360F Skin Corr. 1C; H314	< 0,10 wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	L	-	-	-
2	L	-	-	-
4	-	Skin Irrit. 2; H315: C >= 6,25% Eye Irrit. 2; H319: C >= 10% Eye Dam. 1; H318: C >= 12,5%	-	-
5	-	-	M = 10	M = 10

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Take medical treatment.

After skin contact

In case of contact with skin wash off immediately with soap and water. Seek medical attention.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Do not induce vomiting - aspiration hazard. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down). Call a doctor immediately and show label or packaging.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Foam; Carbon dioxide; Extinguishing powder

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon dioxide (CO₂); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from ignition sources.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Provide eye wash fountain in work area.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature

Value < 50 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. Protect from heat and direct sunlight.

Incompatible products

Do not store together with: Acids; Alkalies; oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Distillates (petroleum), hydrotreated light paraffinic			64742-55-8 265-158-7	
	inhalative	Long term (chronic)	local	5,58	mg/m ³
2	Calcium branched alkyl phenate sulphide			-	
				701-251-5	
	dermal	Long term (chronic)	systemic	0,5	mg/kg/day
	dermal	Short term (acute)	systemic	80	mg/kg/day
	inhalative	Long term (chronic)	systemic	3,5	mg/m ³
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts			84605-29-8 283-392-8	
	dermal	Long term (chronic)	systemic	12,1	mg/kg/day
	inhalative	Long term (chronic)	systemic	8,31	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Distillates (petroleum), hydrotreated light paraffinic			64742-55-8 265-158-7	
	oral	Long term (chronic)	systemic	0,74	mg/kg/day
	inhalative	Long term (chronic)	local	1,19	mg/m ³

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2	Calcium branched alkyl phenate sulphide			-	
	oral	Long term (chronic)	systemic	0,25	mg/kg/day
	oral	Short term (acut)	systemic	50	mg/kg/day
	dermal	Long term (chronic)	systemic	0,25	mg/kg/day
	dermal	Short term (acut)	systemic	40	mg/kg/day
	inhalative	Long term (chronic)	systemic	0,87	mg/m ³
	inhalative	Short term (acut)	systemic	0,067	mg/m ³
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts			84605-29-8	
	oral	Long term (chronic)	systemic	0,24	mg/kg/day
	dermal	Long term (chronic)	local	6,1	mg/kg/day
	inhalative	Long term (chronic)	systemic	2,11	mg/m ³

PNEC values

No	Substance name		CAS / EC no
	ecological compartment	Type	Value
1	Distillates (petroleum), hydrotreated light paraffinic		64742-55-8 265-158-7
	secondary poisoning	-	9,33 mg/kg food
2	Calcium branched alkyl phenate sulphide		-
	water	fresh water	0,5 mg/L
	water	marine water	0,04 mg/L
	water	fresh water sediment	43500 mg/kg dry weight
	water	marine water sediment	3480 mg/kg dry weight
	soil	-	8850 mg/kg dry weight
	sewage treatment plant	-	100 mg/L
	secondary poisoning	-	13333 mg/kg food
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts		84605-29-8 283-392-8
	water	fresh water	4,00 µg/L
	water	marine water	4,60 µg/L
	water	Aqua intermittent	45,00 µg/L
	soil	-	0,0548 mg/kg
	with reference to: dry weight		
	sewage treatment plant	-	100,00 mg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. combination filter

Respirator EN14387-A

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

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Appropriate Material
Material thickness
Breakthrough time

In case of short-term contact / splash protection: PVC
0,8 mm
4 h

Other

Normal chemical work clothing.
Appropriate Material cotton

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation			
liquid			
Form/Colour			
liquid			
Various, depending on coloration			
Odour			
No data available			
pH value			
No data available			
Boiling point / boiling range			
Value	>	160	°C
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value	>	61	°C
Ignition temperature			
No data available			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
No data available			
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), solvent-dewaxed heavy	64742-65-0	265-169-7

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paraffinic			
log Pow	>	3	
2	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
log Pow		0,56	
Reference temperature		22	°C
Method	OECD 107		
Source	ECHA		

Viscosity			
Value	<	20,5	mm ² /s
Reference temperature		40	°C
Type	kinematic		

Particle characteristics			
No data available			

9.2 Other information

Other information			
No data available.			

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA / Read across		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
LD50		3150	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

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Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA / Read across		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
LD50	>	2002	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
LC50	>	5,53	mg/l
Duration of exposure		4	h
State of aggregation	mist		
Species	rat		
Method	OECD 403		
Source	ECHA / Read across		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
LC50	>	5,53	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Species	rabbit		
Method	OECD 406		
Source	ECHA / Read across		
Evaluation	non-irritant		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Duration of exposure		24	h
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Species	rabbit		

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Method	OECD 405
Source	ECHA / Read across
Evaluation	non-irritant
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0 265-169-7
Duration of exposure	72 h
Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts 84605-29-8 283-392-8
Duration of exposure	21 day(s)
Species	rabbit
Method	16 CFR 1500.42
Source	ECHA
Evaluation	strongly irritant

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA / Read across		
Evaluation	non-sensitizing		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Route of exposure	Skin		
Duration of exposure	3 week/s		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Source	ECHA / Read across		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Duration of exposure	72 h		
Type of examination	Micronucleus test		
Species	mouse		
Method	OECD 474		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity

No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Route of exposure	oral		
Type of examination	Toxicity study		
Species	rat		
Method	OECD 421		
Source	ECHA / Read across		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Route of exposure	oral		
	>= 1000 mg/kg bw/d		

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Duration of exposure	30	day(s)
Species	rat	
Method	OECD 421	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Route of exposure		dermal	
Type of examination		Toxicity study	
Species		mouse	
Method		OECD 451	
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Route of exposure		dermal	
Duration of exposure		78	week/s
Species		mouse	
Method		OECD 451	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Route of exposure		oral	
Species		rat	
Method		OECD 408	
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		dermal	
Species		rabbit	
Method		OECD 410	
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
Species		rat	
Method		OECD 412	
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Route of exposure		dermal	
NOAEL		appr. 1000	mg/kg bw/d
Duration of exposure		4	week/s
Species		rabbit	
Method		OECD 410	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard	
No data available	

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

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No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
2	Calcium branched alkyl phenate sulphide	-	701-251-5
LC50	>	1000	mg/l
Duration of exposure		96	h
Species	Fathead minnow		
Source	supplier		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
LL50		4,5	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
EC50	>	10000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	Calcium branched alkyl phenate sulphide	-	701-251-5
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	supplier		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
EL50		23	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
1	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
NOEC		0,4	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
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1	Calcium branched alkyl phenate sulphide	-	701-251-5
EC50	>	1000	mg/l
Duration of exposure		96	h
Species	Selenastrum capricornutum		
Source	supplier		
2	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
EL50		21	mg/l
Duration of exposure		72	h
Species	Desmodemus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
EC50	>	10000	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
Type	aerobic biodegradation		
Value		1,5	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
log Pow	>	3	
2	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
log Pow		0,56	
Reference temperature		22	°C
Method	OECD 107		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Endocrine disrupting properties

No data available.

EU safety data sheet

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12.7 Other adverse effects

No data available.

12.8 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No 3

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

EU safety data sheet

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Product no.: 2155

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15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

L	The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by 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 a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.
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Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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