

Material number 1286

### Safety Data Sheet

Revision date:20.3.2024Version:3.0Replaces version:2.1Language:en-DEDate of print:3.4.2024

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according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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

#### **1.1 Product identifier**

Trade name: Eni Rotra MP DB Synth 75W-90

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

General use: Lubricant

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

Company name:	Enilive Schmiertechnik GmbH	
Street/POB-No.:	Paradiesstraße 14	
Postal Code, city:	97080 Würzburg	
	Germany	
E-mail:	info.wuerzburg@enilive.com	
Telephone:	+49 (0)931-90098-0	
Telefax:	+49 (0)931-98442	
Department responsible for information:		
	Application Engineering & Product Management (AEPM)	
	Telephone: +49 (0)931-90098-0	
	E-mail: technik.wuerzburg@enilive.com	

#### **1.4 Emergency telephone number**

GIZ-Nord, Göttingen Telephone: +49 (0)551-19240

# **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

#### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

#### **Special labelling**

-	EUH208	Contains Polysulfides, di-tert-Bu and Reaction products of
		4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified
		with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl.
		May produce an allergic reaction.
	EUH210	Safety data sheet available on request.
	EUH210	May produce an allergic reaction.



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#### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product does not contain any substances classified as PBT or vPvB.

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

3.1 Substances: not applicable

#### 3.2 Mixtures

Chemical characterisation: synthetic oils, additives.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119540515-43-xxxx EC No. 273-103-3 CAS 68937-96-2	Polysulfides, di-tert-Bu Skin Sens. 1B; H317. Aquatic Chronic 3; H412.	< 10 %
REACH 01-2119486452-34-xxxx EC No. 500-183-1 CAS 68037-01-4	Dec-1-ene, homopolymer/oligomers, hydrogenated Asp. Tox. 1; H304.	< 10 %
REACH 01-2119493620-38-xxxx list no. 931-384-6	Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	< 2,5 %
	Acute Tox. 4; H302. Eye Dam. 1; H318. Skin Sens. 1; H317. Aquatic Chronic 2; H411.	

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

Additional information:Information about Polysulfides, di-tert-Bu, Specific concentration limit (SCL):<br/>Skin Sens. 1B; H317:  $C \ge 45,9999 \%$ <br/>Information about Reaction products of 4-methyl-2-pentanol and diphosphorus<br/>pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by<br/>amines, C12-14- tert-alkyl, Specific concentration limit (SCL):<br/>Skin Sens. 1; H317:  $C \ge 9,39 \%$ <br/>Eye Dam. 1; H318: C > 50 %<br/>Eye Irrit. 2; H319: C > 50 %

# **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	Remove person to fresh air and keep comfortable for breathing. In the event of discomfort seek medical treatment.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.



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#### After eve contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist. After swallowing: Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek

medical attention.

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

May cause allergic reactions in already sensitized persons. Direct contact may cause skin and eyes reddening and irritation.

#### 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:

Water spray jet, extinguishing powder, carbon dioxide, alcohol resistant foam.

Extinguishing media which must not be used for safety reasons:

Full water jet

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

Combustible. May form dangerous gases and vapours in case of fire. Furthermore, there may develop:, Carbon monoxide and carbon dioxide.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Cool exposed containers with water spray, but avoid contact of the substance with water. Move undamaged containers from immediate hazard area if it can be done safely. 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

Do not breathe mist/vapours/spray. Provide adequate ventilation. Remove all sources of ignition. Wear appropriate protective equipment.

Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing. Keep unprotected people away.

#### **6.2 Environmental precautions**

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



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#### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Never return spills in original containers for re-use.

Clean contaminated articles and floor according to the environmental legislation.

Additional information: Special danger of slipping by leaking/spilling product.

#### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid the formation of aerosol. Do not breathe mist/vapours/spray. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

When handling larger quantities, take precautionary measures against electrostatic charging.

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

Requirements for storerooms and containers:		
	Keep container tightly closed in a cool, well-ventilated place.	
	Store only in original container.	
	Protect from heat and direct sunlight.	
Hints on joint storage:	Keep away from food, drink and animal feedingstuffs.	
	Do not store together with: Strong oxidizing agents, strong acids, strong bases.	
Storage class:	10 = Combustible liquids, unless storage class 3	

#### 7.3 Specific end use(s)

No information available.

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

#### 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.



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DNEL/DMEL:	Information about Polysulfides, di-tert-Bu: DNEL workers, long-term, systemic, inhalative: 3,29 mg/m <sup>3</sup> DNEL workers, long-term, systemic, dermal: 4,67 mg/kg bw/d DNEL consumers, long-term, systemic, inhalative: 0,58 mg/m <sup>3</sup> DNEL consumers, long-term, systemic, dermal: 1,67 mg/kg bw/d DNEL consumers, long-term, systemic, oral: 0,167 mg/kg bw/d Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl: DNEL workers, long-term, systemic, inhalative: 4,28 mg/m <sup>3</sup> DNEL workers, long-term, systemic, dermal: 12,5 mg/kg bw/d
	DNEL workers, long-term, local, dermal: 160 µg/cm <sup>3</sup> DNEL consumers, long-term, systemic, inhalative: 1,09 mg/m <sup>3</sup> DNEL consumers, long-term, systemic, dermal: 6,25 mg/kg bw/d DNEL consumers, long-term, local, dermal: 160 µg/cm <sup>3</sup> DNEL consumers, long-term, systemic, oral: 0,25 mg/kg bw/d
PNEC:	Information about Polysulfides, di-tert-Bu: PNEC water (freshwater): 0,24 µg/L PNEC water (marine water): 0,024 µg/L PNEC sewage treatment plant: 4,51 mg/L PNEC sediment (freshwater): 0,94 mg/kg dw PNEC sediment (marine water): 0,94 mg/kg dw PNEC soil: 18,1 µg/kg dw
	Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl: PNEC water (freshwater): 2,4 µg/L PNEC water (marine water): 0,24 µg/L PNEC sewage treatment plant: 24,33 mg/L PNEC sediment (freshwater): 12,9 mg/kg dw PNEC sediment (marine water): 1,29 mg/kg dw PNEC soil: 1,17 µg/kg dw

#### 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

#### **Personal protection equipment**

#### **Occupational exposure controls**

Respiratory protection:	When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.
Hand protection:	Protective gloves according to DIN EN 374. Glove material: nitrile rubber Layer thickness: >= 0,38 mm Breakthrough time: >= 480 min Observe glove manufacturer's instructions concerning penetrability and breakthrough time
Eye protection:	Tightly sealed goggles according to DIN EN ISO 16321-1:2022.
Body protection:	Wear suitable protective clothing.



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General protection and hygiene measures:

Do not breathe mist/vapours/spray.

Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing.

Do not eat, drink or smoke when using this product. Do not put any product-impregnated cleaning rags into your trouser pockets.

Wash hands thoroughly after handling.

#### **Environmental exposure controls**

Refer to "6.2 Environmental precautions".

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

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

Physical state at 20 °C and 101.3 kPa Colour:	liquid yellow
Odour: Odour threshold: Melting point/freezing point: Initial boiling point and boiling range: Flammability: Upper/lower flammability or explosive limits:	Characteristic No data available No data available No data available No data available No data available
Flash point/flash point range:	200 °C
Decomposition temperature:	No data available
pH:	Not applicable
Viscosity, kinematic:	at 40 °C: 130 mm²/s
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure: Density:	Not applicable at 15 °C: 0,87 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable
9.2 Other information	
Explosive properties: Oxidizing characteristics:	No data available No data available

Auto-ignition temperature: Evaporation rate: Additional information:

# **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

Refer to subsection "Possibility of hazardous reactions".

No data available Not applicable

No data available



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#### **10.2 Chemical stability**

Stable under recommended storage conditions.

#### **10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

#### **10.4 Conditions to avoid**

Keep away from heat.

#### **10.5 Incompatible materials**

Strong oxidizing agents, strong acids, strong bases.

#### **10.6 Hazardous decomposition products**

No hazardous decomposition products when regulations for storage and handling are observed. No data available

# **SECTION 11: Toxicological information**

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

Toxicological effects:

Thermal decomposition:

The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met. ATEmix (calculated): > 28.985 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

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

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

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

Skin sensitisation: Based on available data, the classification criteria are not met. Contains Polysulfides, di-tert-Bu and Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

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



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#### 11.2 Information on other hazards

Endocrine disrupting properties:

Endocrine disrupting pro	Jertites.
	No data available
Other information:	Information about Polysulfides, di-tert-Bu: LD50 Rat, oral: ≥ 2.000 mg/kg/24h (OECD 401) LD50 Rabbit, dermal: ≥ 2.000 mg/kg (OECD 402)
	Information about Dec-1-ene, homopolymer/oligomers, hydrogenated: LD50 Rat, oral: > 5.000 mg/kg/24h LD50 Rabbit, dermal: > 3.000 mg/kg (OECD 402) LC50 Rat, inhalative, (vapour): < 5,0 mg/L (OECD 403)
	Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl: LD50 Rat, oral: approx. 2.000 mg/kg (OECD 401)

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Aquatic toxicity:	Information about Polysulfides, di-tert-Bu: Daphnia toxicity:
	EC50 Daphnia magna (Big water flea): 0,24  mg/L/48h  (OECD 202) Algae toxicity:
	EC50 Pseudokirchneriella subcapitata: 0,838 mg/L/72h, (OECD 201)
	Information about Dec-1-ene, homopolymer/oligomers, hydrogenated: Fish toxicity:
	LL50 Oncorhynchus mykiss: > 1.000 mg/L/96h (OECD 203) Daphnia toxicity:
	EL50 Daphnia magna (Big water flea): > 1.000 mg/L/48h (OECD 202) NOELR Daphnia magna (Big water flea): 125 mg/L/21d (OECD 211) Algae toxicity:
	NOELR Scenedesmus capricornutum: 1.000 mg/L/72h, (OECD 201)
	Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl: Fish toxicity:
	LL50 Oncorhynchus mykiss: > 24 mg/L/96h (OECD 203) Daphnia toxicity:
	EL50 Daphnia magna (Big water flea): > 91,4 mg/L/48h (OECD 202)
	NOEL Daphnia magna (Big water flea): 0,12 mg/L/21d (OECD 211) Algae toxicity:
	EC50 Pseudokirchneriella subcapitata: 15 mg/L/96h, (OECD 201)
Water Hazard Class:	2 = obviously hazardous to water (Self-classification (mixture).)

#### 12.2 Persistence and degradability

Further details:

Information about Polysulfides, di-tert-Bu: Biodegradability: 13 %/28 d (OECD 301B). Not easily bio-degradable



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#### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

#### **12.6 Endocrine disrupting properties**

No data available

#### 12.7 Other adverse effects

General information: Do not allow to enter into surface water or drains.

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

#### Product

Waste key number:	13 02 06* = synthetic engine, gear and lubricating oils * = Evidence for disposal must be provided.
Recommendation:	Evidence for disposal must be provided. Send to a hazardous waste incinerator facility under observation of official regulations.
Package	

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Evidence for disposal must be provided.

# **SECTION 14: Transport information**

#### 14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

#### 14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:

#### 14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

#### 14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR: not applicable



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#### 14.5 Environmental hazards

#### Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations. no

Marine pollutant - IMDG: n

#### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

#### 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

#### National regulations - Germany

Storage class:	10 = Combu	stible liquids, unless storage class 3
Water Hazard Class:	2 = obviousl	y hazardous to water (Self-classification (mixture).)
Technical guidance air:	5.2.5	
Further regulations, limitation	ons and legal requi	rements:
	The product	is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).
National regulation	ons - EC men	nber states
Labelling of pack	aging with <	= 125mL content
Hazard statements:	EUH208	Contains Polysulfides, di-tert-Bu and Reaction products of

	LONEGO	Contains rolysundes, di-tert-bu and reaction products of
		4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified
		with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl.
		May produce an allergic reaction.
	EUH210	Safety data sheet available on request.
Precautionary statements:	not applicabl	e

Further regulations, limitations and legal requirements:

No data available

#### **15.2 Chemical Safety Assessment**

For this mixture a chemical safety assessment is not required.



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	SECTION 16: Other information
Nording of the H-phras	es under paragraph 2 and 3:
	H302 = Harmful if swallowed.
	H304 = May be fatal if swallowed and enters airways.
	H317 = May cause an allergic skin reaction.
	H318 = Causes serious eye damage.
	H411 = Toxic to aquatic life with long lasting effects.
	H412 = Harmful to aquatic life with long lasting effects.
	EUH208 = Contains Polysulfides, di-tert-Bu and Reaction products of 4-methyl-2-pentano
	and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide,
	and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction.
	EUH210 = Safety data sheet available on request.
Passon of changes	Changes in section 1. Details of the sumplier of the sector data shout
Reason of change:	Changes in section 1: Details of the supplier of the safety data sheet
	General revision
Date of first version:	14.6.2021
Department issuing dat	
	see section 1: Department responsible for information
Abbreviations and acro	nvms:
	Acute Tox.: Acute toxicity
	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
	Aquatic Chronic: Hazardous to the aquatic environment - chronic AS/NZS: Australian Standards/New Zealand Standards
	Asp. Tox.: Aspiration toxicity
	CAS: Chemical Abstracts Service
	CFR: Code of Federal Regulations
	CLP: Classification, Labelling and Packaging
	DMEL: Derived minimal effect level
	DNEL: Derived no-effect level EC: European Community
	EC50: Effective Concentration 50%
	EL50: Effective loading rate 50%
	EN: European Standard
	EQ: Excepted quantities
	EU: European Union
	Eye Dam.: Eye damage Eye Irrit.: Eye irritation
	IATA: International Air Transport Association
	IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
	IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
	IMDG Code: International Maritime Dangerous Goods Code
	LC50: Median lethal concentration
	LD50: Lethal dose 50% MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
	OECD: Organisation for Economic Co-operation and Development
	OSHA: Occupational Safety and Health Administration
	PBT: Persistent, bioaccumulative and toxic
	PNEC: Predicted no-effect concentration
	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail SCL: Specific concentration limit
	ScL. Specific concentration infin
	TRGS: Technical Rules for Hazardous Substances
	vPvB: Very persistent and very bioaccumulative

for the properties of the product described in terms of the legal warranty regulations.

