



# Eni Blasia 32

Material number 7630

## Safety Data Sheet

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

Revision date: 20.3.2024

Version: 9.0

Replaces version: 8.1

Language: en-DE

Date of print: 5.4.2024

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

### 1.1 Product identifier

Trade name: Eni Blasia 32

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

General use: Lubricating agent

### 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)

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: H412 Harmful to aquatic life with long lasting effects.

Precautionary statements: P273 Avoid release to the environment.

P501 Dispose of contents/container to hazardous or special waste collection point.

#### Special labelling

EUH208 Contains 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylidithio)-. May produce an allergic reaction.



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### 2.3 Other hazards

product may release Hydrogen Sulphide. Inhaling of vapours leads to irritations of the respiratory tract and mucous membranes, headache, nausea and vomiting.

Hot product can cause severe burns.

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: A mixture of hydrocarbons and additives.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119489969-06-xxxx EC No. 309-877-7 CAS 101316-72-7	Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated not classified	>= 95 %
REACH 01-2119473797-19-xxxx list no. 627-034-4 CAS 1213789-63-9	(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines Acute Tox. 4; H302. Skin Corr. 1B; H314. STOT SE 3; H335. STOT RE 2; H373. Asp. Tox. 1; H304. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 10.	< 0,25 %
REACH 01-2120761104-64-xxxx list no. 813-543-0 CAS 73984-93-7	1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylthio)- Skin Sens. 1B; H317. Aquatic Chronic 3; H412.	0,1 - 0,2 %
REACH 01-2119484627-25-xxxx EC No. 265-157-1 CAS 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic not classified	0,1 - 0,2 %
EC No. 265-169-7 CAS 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic Asp. Tox. 1; H304.	0,1 - 0,2 %

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

Additional information: The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: Take off contaminated clothing and wash it before reuse.

In case of inhalation: Remove the casualty into fresh air and keep them calm. In the event of discomfort seek medical treatment.



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Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye 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. Do not induce vomiting. 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.  
Processing vapours can irritate the respiratory tracts, skin and eyes.

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

Treat symptomatically.  
It can take hours before symptoms of poisoning show up following exposure.  
In case of inhalation (hydrogen sulfide): Take to a hospital immediately.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

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

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: sulphur oxides, Hydrogen sulphide, Nitrogen oxides (NO<sub>x</sub>), aldehydes, phosphorus oxides, Carbon monoxide and carbon dioxide.  
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

### 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 endangered containers with water jetspray. 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. Avoid oil mist formation. Provide adequate ventilation.  
Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment.  
Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing. Keep unprotected people away.



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### 6.2 Environmental precautions

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

### 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 oil mist formation. Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Don't put cleaning rags fouled by oil into trousers pockets.

Precautions against fire and explosion:

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

Take action to prevent static discharges.

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

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place.

Store only in original container.

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

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.

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.

DNEL/DMEL:	<p>Information about Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated: DNEL workers, long-term, systemic, dermal: 0,97 mg/kg bw/d DNEL workers, long-term, systemic, inhalative: 2,73 mg/m<sup>3</sup> DNEL workers, long-term, local, inhalative: 5,58 mg/m<sup>3</sup> DNEL consumers, long-term, systemic, oral: 0,74 mg/kg bw/d</p> <p>Information about (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: DNEL workers, long-term, systemic, inhalative: 0,38 mg/m<sup>3</sup> DNEL workers, long-term, systemic, dermal: 0,09 mg/kg bw/d DNEL workers, long-term, local, inhalative: 1 mg/m<sup>3</sup> DNEL consumers, long-term, systemic, inhalative: 0,035 mg/m<sup>3</sup> DNEL consumers, long-term, systemic, oral: 0,04 mg/kg bw/d</p>
PNEC:	<p>Information about Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated: PNEC oral (Secondary poisoning): 9,33 mg/kg food</p> <p>Information about (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: PNEC water (freshwater): 0,26 µg/L PNEC water (marine water): 0,026 µg/L PNEC water (intermittent release): 1,6 µg/L PNEC sediment (freshwater): 3,76 mg/kg dw PNEC sediment (marine water): 0,376 mg/kg dw PNEC soil: 10 mg/kg dw</p>

## 8.2 Exposure controls

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

## Personal protection equipment

### Occupational exposure controls

Respiratory protection:	<p>Use combination filter type A/P according to EN 14387. Approved respiratory protection equipment shall be used in spaces where hydrogen sulfide may accumulate. full face mask (EN 136) with filter type B The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.</p>
Hand protection:	<p>Protective gloves according to DIN EN 374. Glove material: nitrile rubber / PVC Breakthrough time: &gt;= 240 min Observe glove manufacturer's instructions concerning penetrability and breakthrough time.</p>
Eye protection:	<p>Tightly sealed goggles according to DIN EN ISO 16321-1:2022.</p>
Body protection:	<p>Wear suitable protective clothing.</p>
General protection and hygiene measures:	<p>Do not breathe mist/vapours/spray. Avoid oil mist formation. 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. Wash hands thoroughly after handling. Don't put cleaning rags fouled by oil into trousers pockets.</p>

## Environmental exposure controls

Refer to "6.2 Environmental precautions".



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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	Yellow-brown
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 250 °C (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated)
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	216 °C (ASTM D 92)
Auto-ignition temperature:	> 300 °C (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated)
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 32 mm <sup>2</sup> /s (ASTM D 445)
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	at 20 °C: < 0,1 hPa (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated)
Density:	at 15 °C: 874 kg/m <sup>3</sup> (ASTM D 4052)
Vapour density:	No data available
Particle characteristics:	Not applicable

### 9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Drop point/drop range:	approx. 0 °C (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated)
Evaporation rate:	No data available
Additional information:	Softening point: -30 °C (ASTM D 97)

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Vapours are heavier than air, spread along floors and form explosive mixtures with air.



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### 10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hydrogen sulfide

Thermal decomposition: No data available

## SECTION 11: Toxicological information

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

Toxicological effects: 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.

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 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-. 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:

No data available

Other information:

Information about Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated:

LD50, Rat, oral: > 5.000 mg/kg (OECD 401)

LD50, Rabbit, dermal: > 2.000 mg/kg (OECD 402)

LC50, Rat, inhalative: 2,18 - 5,53 mg/L/4h (OECD 403)

Information about (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:

LD50, Rat, oral: 1.689 mg/kg (OECD 401)

LD50, Rabbit, dermal: 2.000 mg/kg

Information about mineral oil:

LD50, Rat, oral: > 5.000 mg/kg (OECD 401)

LD50, Rat, dermal: > 5.000 mg/kg (OECD 402)

LC50, Rat, inhalative: > 5 mg/L/4h (OECD 403)

### Symptoms

In case of inhalation:

Overheating released mist or vapours can irritate the respiratory tracts.

High concentrations may cause headaches, dizziness, nausea, change of behaviour, faintness, numbness and drowsiness.

In case of ingestion: Nausea, discomfort, gastrointestinal complaints

After contact with skin: The hot material can cause burns.

After eye contact: Direct contact may cause skin and eyes reddening and irritation.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

Information about Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated:

Fish toxicity:

LL50: > 100 mg/L/96h (OECD 203)

Daphnia toxicity:

LL50: > 10.000 mg/L/48h (OECD 202)

Information about (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:

Fish toxicity:

LL50: 0,06 mg/L/96h (OECD 203)

Daphnia toxicity:

EC50: 0,98 mg/L/48h (OECD 202)

Algae toxicity:

EC50: 0,08-0,46 mg/L/72h (OECD 201)

Information about mineral oil:

Fish toxicity:

LC50: > 100 mg/L (LL 50)

Daphnia toxicity:

EC50: > 10.000 mg/L/48h (OECD 202)

Water Hazard Class: 2 = obviously hazardous to water (Self-classification (mixture).)



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### 12.2 Persistence and degradability

Further details: Information about (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:  
Biodegradation: 66 %/28 d (OECD 301B).  
According to OECD criteria the product is not readily biodegradable but inherently biodegradable.

### 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

No data available

### 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 05\* = Mineral-based non-chlorinated engine, gear and lubricating oils  
\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation. Do not allow to enter into ground-water, surface water or drains.

#### Package

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.  
Empty containers may contain flammable product residues. Do not cut, weld, bore, burn or incinerate emptied containers unless they have been cleaned and declared safe.  
Empty containers should be disposed of in accordance with local regulations.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR:

not applicable

ADN:

ID 9006



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### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

ADN:

ID 9006, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

ADN:

Class 9, Code: M12

### 14.4 Packing group

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

not applicable

### 14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:

no

### 14.6 Special precautions for user

#### Inland waterway craft (ADN)

Hazard label:

-

Transport permitted:

T

Equipment necessary:

PP

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 = Combustible liquids, unless storage class 3

Water Hazard Class: 2 = obviously hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Information on working limitations:

Observe employment restrictions for young people.

Further regulations, limitations and legal requirements:

The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).



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### National regulations - EC member states

#### Labelling of packaging with <= 125mL content

Hazard statements: H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-. May produce an allergic reaction.

Precautionary statements: not applicable

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3, 75

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.

H304 = May be fatal if swallowed and enters airways.

H314 = Causes severe skin burns and eye damage.

H317 = May cause an allergic skin reaction.

H335 = May cause respiratory irritation.

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

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

EUH208 = Contains 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-. May produce an allergic reaction.

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet  
General revision

Date of first version: 12.10.2021

Department issuing data sheet: see section 1: Department responsible for information



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### Abbreviations and acronyms:

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 Acute: Hazardous to the aquatic environment - acute  
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  
DIN: German Institute for Standardization  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EC50: Effective Concentration 50%  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
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  
M-factor: Multiplication factor  
NF: French Standard  
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  
Skin Corr.: Skin corrosion  
Skin Sens.: Skin sensitisation  
STOT RE: Specific target organ toxicity - repeated exposure  
STOT SE: Specific target organ toxicity - single exposure  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:  
<http://sumdat.net/d1c19ssg>

