



# SAFETY DATA SHEET

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

## Eni Arnica P 46

Material number 7551

Revision date: 31.8.2023

Version: 3.0

Replaces version: 2.2

Language: en-DE

Date of print: 26.10.2023

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

### 1.1 Product identifier

Trade name: Eni Arnica P 46

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

General use: Hydraulic oil

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

Company name: Eni Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: 97080 Würzburg

Germany

WWW: [www.enischmiertechnik.de](http://www.enischmiertechnik.de)

E-mail: [info.wuerzburg@eni.com](mailto:info.wuerzburg@eni.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@eni.com](mailto:technik.wuerzburg@eni.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

EUH210 Safety data sheet available on request.

### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

With exposure to water, product will release hydrogen sulfide.

Information about hydrogen sulfide: Extremely flammable gas. Fatal if inhaled. Very toxic to aquatic life.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% (w/w) or higher.

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



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### SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

#### 3.2 Mixtures

Chemical characterisation: A mixture of hydrocarbons, acrylic resin and additives.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119487077-29-xxxx EC No. 265-158-7 CAS 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1; H304.	< 2 %
REACH 01-2119490822-33-xxxx EC No. 204-884-0 CAS 128-39-2	2,6-di-tert-butylphenol Skin Irrit. 2; H315. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	< 0,25 %

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

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: Remove residues with soap and water. Take off contaminated clothing and wash it before reuse. 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 troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Rinse mouth. Never give anything by mouth to an unconscious person. Seek medical attention.

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

In case of inhalation: Irritation to respiratory tract, nausea, dizziness.

In case of ingestion: Irritation, nausea, discomfort, gastrointestinal irritation.

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

After eye contact: Direct contact with eyes may cause temporary irritation.

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

Treat symptomatically.

Injection through the skin is a major medical emergency due to contact with a high pressure product.

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.



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### 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: Metallic oxides, nitrogen oxides (NO<sub>x</sub>), sulphur oxides, hydrogen sulfide, phosphorus oxides, aldehydes, 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 endangered containers with water jetspray. Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## SECTION 6: Accidental release measures

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

Do not breathe mist/vapours/spray. Provide adequate ventilation.

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

Wear appropriate protective equipment. Keep unprotected people away.

### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

If necessary notify appropriate authorities.

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

Larger quantities to be stemmed and pumped into tanks.

Stop leak if safe to do so.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Treat the recovered material as prescribed in the section on waste disposal.

Never return spills in original containers for re-use.

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.

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

Wear appropriate protective equipment.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

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 and in a well-ventilated place.

Keep container dry. Keep only in the original container.

Protect from heat and direct sunlight. Protect from moisture contamination.

Store containers in upright position.



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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: Information about Distillates (petroleum), hydrotreated light paraffinic:  
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 Workers, long-term, systemic, dermal: 0,97 mg/kg bw/d  
DNEL Consumer, long-term, systemic, oral: 0,74 mg/kg bw/d

Information about 2,6-di-tert-butylphenol:  
DNEL Workers, long-term, systemic, inhalative: 70,61 mg/m<sup>3</sup>  
DNEL Workers, long-term, systemic, dermal: 11,25 mg/kg bw/d  
DNEL Consumer, long-term, systemic, inhalative: 20,9 mg/m<sup>3</sup>  
DNEL Consumer, long-term, systemic, dermal: 6,75 mg/kg bw/d  
DNEL Consumer, long-term, systemic, oral: 6,75 mg/kg bw/d

PNEC: Information about 2,6-di-tert-butylphenol:  
PNEC water (freshwater): 0,001 mg/L  
PNEC water (freshwater) intermittent release: 0,004 mg/L  
PNEC sewage treatment plant: 10 mg/L  
PNEC sediment (freshwater): 0,317 mg/kg dw  
PNEC sediment (marine water): 0,032 mg/kg dw  
PNEC soil: 0,697 mg/kg dw  
PNEC oral: 60 mg/kg Food

### 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area. Avoid generation of vapours/aerosols.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: In case of inadequate ventilation wear respiratory protection.  
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, PVC  
Breakthrough time: ≥ 240 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.

General protection and hygiene measures:  
Avoid oil mist formation. Do not breathe mist/vapours/spray.  
Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

### 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:	blue
Odour:	Petroleum (weak)
Odour threshold:	Not determined
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	approx. 224 °C
Decomposition temperature:	No data available
pH:	Not applicable
Viscosity, kinematic:	at 40 °C: 46 mm <sup>2</sup> /s (ASTM D 445)
Solubility:	Not determined
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	Not applicable
Vapour pressure:	Not determined
Density:	at 15 °C: 0,877 g/mL
Vapour density:	Not determined
Particle characteristics:	Not applicable

### 9.2 Other information

Explosive properties:	Explosion limits: $\geq 45$ g/m <sup>3</sup> (aerosol) Product is not explosive.
Oxidizing characteristics:	Product has no oxidizing effect.
Auto-ignition temperature:	Not determined
Evaporation rate:	Negligible (Butyl acetate = 1)
Additional information:	Solidification point: -39 °C

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

With exposure to water, product will release hydrogen sulfide.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents. Risk of fire!

### 10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.  
Protect from direct sunlight. Protect from moisture contamination.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

	Hydrogen sulfide.
Thermal decomposition:	No data available



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## SECTION 11: Toxicological information

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

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

### 11.2 Information on other hazards

Endocrine disrupting properties: None.

#### Symptoms

In case of inhalation: Irritation to respiratory tract, nausea, dizziness.  
In case of ingestion: Irritation, nausea, discomfort, gastrointestinal irritation.  
After contact with skin: The hot material can cause burns.  
After eye contact: Direct contact with eyes may cause temporary irritation.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Information about 2,6-di-tert-butylphenol:  
Fish toxicity:  
LC50 Pimephales promelas (fathead minnow): 1,4 mg/L/96h  
Daphnia toxicity:  
EC50 Daphnia magna (Big water flea): 0,45 mg/L/48h  
Algae toxicity:  
EC50 Pseudokirchneriella subcapitata (green algae): 1,4 mg/L/72h  
Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
Not applicable

### 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.



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### 12.6 Endocrine disrupting properties

None.

### 12.7 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies 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: 15 01 02 Plastic packaging  
15 01 04 Metallic packaging  
Empty carefully and completely, if possible. Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.  
Handle contaminated packages in the same way as the substance itself.

## 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:  
Not restricted

### 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

### 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

No dangerous good in sense of these transport regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

No data available



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### 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: 1 = slightly hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Further regulations, limitations and legal requirements:

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

##### National regulations - EC member states

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

Hazard statements: EUH210 Safety data sheet available on request.

Precautionary statements: not applicable

Further regulations, limitations and legal requirements:

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

H304 = May be fatal if swallowed and enters airways.

H315 = Causes skin irritation.

H400 = Very toxic to aquatic life.

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

EUH210 = Safety data sheet available on request.

Reason of change:

Changes in section 3: Composition / Information on ingredients

Changes in section 9: Physical and chemical properties

Changes in section 12: Aquatic toxicity

Changes in section 15: Regulatory information

General revision

Date of first version:

16.12.2020

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

Abbreviations and acronyms:

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

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

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OSHA: Occupational Safety and Health Administration

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted no-effect concentration

PVC: Polyvinyl chloride

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

Skin Irrit.: Skin irritation

TRGS: Technical Rules for Hazardous Substances

vPvB: Very persistent and very bioaccumulative





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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/nkp9h6vz>

