



SAFETY DATA SHEET

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

Eni Arnica 32

Material number 2531

Revision date: 10.2.2023

Version: 2.1

Replaces version: 2.0

Language: en-DE

Date of print: 16.2.2023

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

1.1 Product identifier

Trade name: Eni Arnica 32

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: DE-97080 Würzburg

WWW: www.enischmiertechnik.de

E-mail: 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

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.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

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

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of hydrocarbons, acrylic resin and additives.



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Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119487067-30-xxxx EC No. 265-091-3 CAS 64741-89-5	Distillates (petroleum), solvent-refined light paraffinic Asp. Tox. 1; H304.	20 - 30 %
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: Wash with plenty of water/soap. 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 thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Danger of aspiration. Seek medical aid in case of troubles.

4.2 Most important symptoms and effects, both acute and delayed

- In case of inhalation: Effects resulting from repeated or prolonged exposure:
May cause respiratory irritation.
May cause nausea and dizziness.
- In case of ingestion: Nausea, discomfort, gastrointestinal complaints
- After contact with skin: The hot material can cause burns.
- After eye contact: Eye irritations

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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, foam, extinguishing powder, sand, 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: Hydrogen sulfide (H₂S), nitrogen oxides (NO_x), sulphur 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 fire fighter's clothing conforming to European standard EN 469.



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Additional information: Cool endangered containers with water jetspray. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

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 good ventilation and/or an exhaust system in the work area. Avoid generation of vapours/aerosols. Avoid oil mist formation. Avoid breathing mist/vapours/spray.
Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.
Wear appropriate protective equipment.
When using do not eat, drink or smoke. Wash hands before breaks and after work.
Take care of instructions on label.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking. Take action to prevent static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store only in original container. Store container tightly closed in a dry and cool place. Provide good ventilation.
Store at room temperature. Protect against heat /sun rays.
Do not allow the product to enter the ground. Do not store material on passage ways and escape routes.

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.



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DNEL/DMEL:

Information about Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated:
DNEL workers, long-term, dermal, systemic: 0,97 mg/kg bw/d
DNEL workers, long-term, inhalative, systemic: 2,73 mg/m³
DNEL workers, long-term, inhalative, local: 5,58 mg/m³
DNEL consumers, long-term, oral, systemic: 0,74 mg/kg bw/d

Information about Distillates (petroleum), solvent-refined light paraffinic:
DNEL workers, long-term, inhalative, systemic: 2,73 mg/m³
DNEL workers, long-term, inhalative, local: 5,58 mg/m³
DNEL workers, long-term, dermal, systemic: 0,97 mg/kg bw/d
DNEL consumers, long-term, oral, systemic: 0,74 mg/kg bw/d

Information about 2,6-di-tert-butylphenol:
DNEL workers, long-term, inhalative, systemic: 70,61 mg/m³
DNEL workers, long-term, dermal, systemic: 11,25 mg/kg bw/d
DNEL consumers, long-term, inhalative, systemic: 20,9 mg/m³
DNEL consumers, long-term, dermal, systemic: 6,75 mg/kg bw/d
DNEL consumers, long-term, oral, systemic: 6,75 mg/kg bw/d

Information about Distillates (petroleum), hydrotreated heavy paraffinic:
DNEL workers, long-term, inhalative, systemic: 2,73 mg/m³
DNEL workers, long-term, inhalative, local: 5,58 mg/m³
DNEL workers, long-term, dermal, systemic: 0,97 mg/kg bw/d
DNEL consumers, long-term, oral, systemic: 0,74 mg/kg bw/d

PNEC:

Information about Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated:
PNEC oral: 9,33 mg/kg

Information about Distillates (petroleum), solvent-refined light paraffinic:
PNEC oral: 9,33 mg/kg

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

Information about Distillates (petroleum), hydrotreated heavy paraffinic:
PNEC oral: 9,33 mg/kg

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: Respiratory protection must be worn whenever the WEL levels have been exceeded. Aerosol or mist formation: Use combination filter type A-P2 according to EN 14387. Observe the wear time limits as specified by the manufacturer. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Chemically resistant gloves (EN 374)
Glove material: Nitrile rubber, PVC - Layer thickness: 0,5 mm.
Breakthrough time: >= 240 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.



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General protection and hygiene measures:

Avoid oil mist formation. Avoid breathing mist/vapours/spray.
Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.
When using do not eat, drink or smoke. Wash hands before breaks and after work.

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	liquid
Colour:	Yellow-brown
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	> 250 °C (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated)
Flammability:	Not applicable
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	> 215 °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 ² /s (ASTM D445)
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	4,5 log K(o/w) (2,6-di-tert-butylphenol) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapour pressure:	No data available
Density:	869 kg/m ³ (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
Evaporation rate:	No data available
Additional information:	Freezing point: 0 °C (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated) Softening point: - 36 °C (ASTM D 97)

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to section 10.3

10.2 Chemical stability

Stable under recommended storage conditions.



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10.3 Possibility of hazardous reactions

No dangerous reactions with proper and specified storage and handling.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames. Take action to prevent static discharges.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

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

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:

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.

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 Distillates (petroleum), solvent-refined light paraffinic:

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)

Information about 2,6-di-tert-butylphenol:

LD50, Rat, oral: 5.000 mg/kg

LD50, Rat, dermal: 1.000 - 33.000 mg/kg

LD50, Rabbit, dermal: 0,5 ml/kg

Information about Distillates (petroleum), hydrotreated heavy paraffinic:

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: Effects resulting from repeated or prolonged exposure:

May cause respiratory irritation.

May cause nausea and dizziness.

In case of ingestion: Nausea, discomfort, gastrointestinal complaints

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

After eye contact: Eye irritations



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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated:
Fish toxicity:
LC50: > 100 mg/L (OECD 203)
NOEC, *Oncorhynchus mykiss*: > = 1000 mg/L/14d
Algae toxicity:
NOEC, *Pseudokirchneriella subcapitata* (green algae): >= 100 mg/L/72h (OECD 201)
Daphnia toxicity:
EC50: > 10.000 mg/L/48h (OECD 202)
NOEC, crustaceans: >= 1.000mg/L/21d (OECD 211)
Information about Distillates (petroleum), solvent-refined light paraffinic:
Fish toxicity:
LC50: < 100 mg/L
Daphnia toxicity:
EC50: > 10.000 mg/L/48h (OECD 202)
Information about 2,6-di-tert-butylphenol:
Fish toxicity:
LC50: 1,4 mg/L
Daphnia toxicity:
LC50: 0,45 mg/L
NOEC, crustaceans: 0,035 mg/L/21d
Algae toxicity:
EC50: 1,2 - 3,9 mg/L/96h
Information about Distillates (petroleum), hydrotreated heavy paraffinic:
Fish toxicity:
LC50: > 100 mg/L
Daphnia toxicity:
EC50: > 10.000 mg/L/48h (OECD 202)

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

12.2 Persistence and degradability

Further details: Information about Distillates (petroleum), solvent-refined light paraffinic:
Biodegradation: 31%/28d
Information about 2,6-di-tert-butylphenol:
Biodegradation: 24%

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
4,5 log K(o/w) (2,6-di-tert-butylphenol)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

12.4 Mobility in soil

Product is not soluble in water, and floats on water. Forms a thin oil film on water surfaces.

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

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



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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: 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

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).



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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.: 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:

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: General revision

Date of first version: 25.8.2021

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
LD50: Lethal dose 50%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
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
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

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/pq8qd93>

