



# SAFETY DATA SHEET

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

## Eni Coro KSW 50 L

Material number 0994

Revision date: 19.12.2022

Version: 6.1

Replaces version: 6.0

Language: en-DE

Date of print: 16.1.2023

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

### 1.1 Product identifier

Trade name: Eni Coro KSW 50 L

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

General use: Corrosion protection agent

### 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

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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)

(EUH018) In use, may form flammable/explosive vapour-air mixture.

(EUH066) Repeated exposure may cause skin dryness or cracking.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: EUH018 In use, may form flammable/explosive vapour-air mixture.  
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements: not applicable

#### Special labelling

EUH208 Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

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:

This mixture 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.



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### SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

#### 3.2 Mixtures

Chemical characterisation: Mixture based on highly refined mineral oils and corrosion protection additives and volatile hydrocarbons.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119456810-40-xxxx list no. 920-901-0 CAS 246538-78-3	Hydrocarbons, C11- C13, isoalkanes, <2% aromatics Asp. Tox. 1; H304. (EUH066).	< 100 %
REACH 01-2119488992-18-xxxx EC No. 263-093-9 CAS 61789-86-4	Sulfonic acids, petroleum, calcium salts Skin Sens. 1B; H317.	< 5 %

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: 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: Remove residues with soap and water. 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 with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately get medical attention.

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

May cause allergic reactions in already sensitized persons.

#### 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.

In case of large fires: alcohol resistant foam, water spray jet

Extinguishing media which must not be used for safety reasons:

Full water jet

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

Combustible. Vapours form potentially explosive mixtures with air. Heavier than air, they proceed at floor level and may backflash over great distances when ignited.

May form dangerous gases and vapours in case of fire.

Furthermore, there may develop: sulphur oxides, carbon monoxide and carbon dioxide.



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### 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.

### 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. 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. Have eye wash bottle or eye rinse ready at work place.

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.

Vapours form potentially explosive mixtures with air. Heavier than air, they proceed at floor level and may backflash over great distances when ignited.

### 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.



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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
61789-86-4	Sulfonic acids, petroleum, calcium salts	Germany: TRGS 900 Kurzzeit	20 mg/m <sup>3</sup> (respirable fraction)
		Germany: TRGS 900 Langzeit	5 mg/m <sup>3</sup> (respirable fraction)

### 8.2 Exposure controls

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

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. 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 EN 374.  
Glove material: Nitrile rubber (NBR)  
Layer thickness:  $\geq 0,38$  mm.  
Breakthrough time:  $>480$  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.

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. Have eye wash bottle or eye rinse ready at work place.

### 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:	brown
Odour:	Characteristic
Odour threshold:	Not applicable
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	Not relevant
Flammability:	Not relevant
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): Not applicable UEL (Upper Explosive Limit): Not applicable
Flash point/flash point range:	62 °C
Decomposition temperature:	No data available
pH:	Not applicable
Viscosity, kinematic:	at 40 °C: 74 mm <sup>2</sup> /s
Water solubility:	Insoluble



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Partition coefficient: n-octanol/water:	Not applicable
Vapour pressure:	Not applicable
Density:	at 15 °C: 0,80 g/mL
Vapour density:	Not applicable
Particle characteristics:	Not applicable

### 9.2 Other information

Explosive properties:	Not relevant
Oxidizing characteristics:	Not relevant
Auto-ignition temperature:	Not relevant
Evaporation rate:	Not applicable
Additional information:	No data available

## 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

In use, may form flammable/explosive vapour-air mixture.

### 10.4 Conditions to avoid

Protect from heat and direct sunlight.

### 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.

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: 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: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met.

Contains Sulfonic acids, petroleum, calcium salts. 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.

#### 11.2 Information on other hazards

Endocrine disrupting properties: This mixture 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.

Other information: Information about Hydrocarbons, C11- C13, isoalkanes, <2% aromatics:  
LD50 Rat, oral: > 5.000 mg/kg bw (OECD 401)  
LD50 Rabbit, dermal: > 2.200 mg/kg bw  
LC50 Rat, inhalative: > 4.951 mg/m<sup>3</sup>/4 h (OECD 403 (vapors))

Information about Sulfonic acids, petroleum, calcium salts:  
LD50 Rat, oral: > 16.000 mg/kg bw  
LD50 Rabbit, dermal: > 5.000 mg/kg bw (OECD 402)  
LC50 Rat, inhalative: > 1,9 mg/L/4 h (EPA OPP 81-3 (Aerosol))

#### Symptoms

After contact with skin: Repeated exposure may cause skin dryness or cracking.



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## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:

Information about Hydrocarbons, C11- C13, isoalkanes, <2% aromatics:

Fish toxicity:

LL50 Cyprinodon variegatus: > 10.000 mg/L/96 h (OECD 203)

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): > 1.000 mg/L/48 h (EPA OTS 797.1300)

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): > 1.000 mg/L/72 h (EPA OTS 797.1050)

Information about Sulfonic acids, petroleum, calcium salts:

Fish toxicity:

LL50 Cyprinodon variegatus: > 10.000 mg/L/96 h (OECD 203)

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): > 1.000 mg/L/48 h (EPA OTS 797.1300)

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): > 1.000 mg/L/72 h (EPA OTS 797.1050)

Water Hazard Class:

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

### 12.2 Persistence and degradability

Further details:

Biodegradability:

Information about Hydrocarbons, C11- C13, isoalkanes, <2% aromatics:

31 %/28 d. (OECD 301F). Not easily degradable.

Information about Sulfonic acids, petroleum, calcium salts:

8,6 %/28 d.. Not easily degradable.

### 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

No data available

### 12.6 Endocrine disrupting properties

This mixture 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.

### 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:

12 01 07\* = mineral-based machining oils free of halogens (except emulsions and solutions)  
\* = Evidence for disposal must be provided.

Recommendation:

Waste disposal should be in accordance with applicable local and/or national legislation. Do not empty into drains; dispose of this material and its container in a safe way. Observe mixture permissions according to "Altölverordnung (Waste oil directive)".



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### 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.

## 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.

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).

#### National regulations - EC member states

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

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

H304 = May be fatal if swallowed and enters airways.

H317 = May cause an allergic skin reaction.

EUH018 = In use, may form flammable/explosive vapour-air mixture.

EUH066 = Repeated exposure may cause skin dryness or cracking.

EUH208 = Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

EUH210 = Safety data sheet available on request.

Reason of change: General revision

Date of first version: 7.10.2021

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  
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%  
LEL: Lower Explosion Limit  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
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  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
Skin Sens.: Skin sensitisation  
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/2pmc7vnc>

