



SAFETY DATA SHEET

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

Eni i-Sigma top MS 5W-30 DE

Material number 1357

Revision date: 10.2.2023

Version: 1.1

Replaces version: 1.0

Language: en-DE

Date of print: 15.2.2023

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

1.1 Product identifier

Trade name: Eni i-Sigma top MS 5W-30 DE

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

General use: Motor 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

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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)

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 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide, Coconut oil, reaction products with boric acid (H₃BO₃), diethanolamine and glycerol,

Benzenesulfonic acid, methyl-, mono-C₂₀₋₂₄-branched alkyl derivs., calcium salts, Alkyl (C₁₈-C₂₈) toluenesulfonic acid, calcium salts, borated. May cause an allergic skin reaction.

EUH210

Safety data sheet available on request.

2.3 Other hazards

Outflowing product can lead to the formation of a film on the water surface, which reduces oxygen exchange and may result in the death of organisms.

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available



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SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: mineral oil, additive.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119484627-25-xxxx EC No. 265-157-1 CAS 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic Asp. Tox. 1; H304.	50 - 60 %
EC No. 276-738-4 CAS 72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Asp. Tox. 1; H304.	50 - 60 %
REACH 01-2119864287-27-xxxx EC No. 406-040-9 CAS 125643-61-0	Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate Aquatic Chronic 4; H413.	1 - 10 %
list no. 681-947-2 CAS 873694-48-5	2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide Skin Sens. 1; H317.	1 - 2,51 %
REACH 01-2120067755-46-xxxx list no. 806-731-9 CAS 1428353-74-5	Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol Eye Irrit. 2; H319. Skin Sens. 1B; H317. Aquatic Chronic 2; H411.	< 1 %
list no. 682-816-2 CAS 722503-68-6	Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts Skin Sens. 1B; H317.	< 1 %
list no. 953-650-0	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated Skin Sens. 1B; H317. Repr. 2; H361d.	< 1 %

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

Additional information: Information about product: Contains CAS 64742-54-7 or CAS 72623-87-1.

Information about 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide, Specific concentration limits (SCL):
Skin Sens. 1; H317: C > 2,51 %

Information about Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated, Specific concentration limits (SCL):
Repr. 2; H361d: C ≥ 17,15 %

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 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. Danger of aspiration! 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, 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: Pyrolysis products, smoke, hydrocarbons, Hydrogen sulphide, Nitrogen oxides (NOx), Phosphorus oxides, 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.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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.



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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.

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.
Recommended storage temperature: < 50 °C.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
Do not store together with 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.

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.

Recommendation Use filter type A/P2 according to EN 14387.

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

Layer thickness: 0,11 mm

Breakthrough time: 30 min

Layer thickness: 0,33 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.



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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	liquid
Colour:	Yellow up to Brown
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): 0,60 Vol-% UEL (Upper Explosive Limit): 6,50 Vol-%
Flash point/flash point range:	> 200 °C (DIN ISO 2592)
Decomposition temperature:	No data available
pH:	Not applicable
Viscosity, kinematic:	at 40 °C: 65 mm ² /s at 100 °C: 10,6 - 11,6 mm ² /s
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	0,851 - 0,861 g/mL
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:	Pour point: - 39 °C (DIN ISO 3016)

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 case of heating above flashpoint and/or fogging/spraying, formation of ignitable vapour-air-mixtures possible.



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10.4 Conditions to avoid

Keep away from heat.

10.5 Incompatible materials

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: 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 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide, Coconut oil, reaction products with boric acid (H₃BO₃), diethanolamine and glycerol, Benzenesulfonic acid, methyl-, mono-C₂₀₋₂₄-branched alkyl derivs., calcium salts, Alkyl (C₁₈-C₂₈) toluenesulfonic acid, calcium salts, borated. May cause an allergic skin 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: No data available

Other information: No data available

SECTION 12: Ecological information

12.1 Toxicity

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

12.2 Persistence and degradability

Further details: According to OECD criteria the product is not readily biodegradable but inherently biodegradable. Outflowing product can lead to the formation of a film on the water surface, which reduces oxygen exchange and may result in the death of organisms.



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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

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information:

Do not allow to enter into ground-water, 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:

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:

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.



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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

Labelling of packaging with <= 125mL content

Hazard statements: EUH208

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EUH210

Safety data sheet available on request.

Precautionary statements: not applicable

Further regulations, limitations and legal requirements:

No data available

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.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H361d = Suspected of damaging the unborn child.

H411 = Toxic to aquatic life with long lasting effects.

H413 = May cause long lasting harmful effects to aquatic life.

EUH208 =

Contains 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide, Coconut oil, reaction products with boric acid (H₃BO₃), diethanolamine and glycerol, Benzenesulfonic acid, methyl-, mono-C₂₀₋₂₄-branched alkyl derivs., calcium salts, Alkyl (C₁₈-C₂₈) toluenesulfonic acid, calcium salts, borated. May cause an allergic skin reaction.

EUH210 = Safety data sheet available on request.

Reason of change: General revision

Date of first version: 11.7.2022

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



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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 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
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- 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
- 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
- OSHA: Occupational Safety and Health Administration
- PBT: Persistent, bioaccumulative and toxic
- PNEC: Predicted no-effect concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- Repr.: Reproductive toxicity
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- Skin Sens.: Skin sensitisation
- 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/vvhue319>

