



SAFETY DATA SHEET

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

Eni metalStanz ST 120 AE

Material number 717

Revision date: 10.2.2023

Version: 5.1

Replaces version: 5.0

Language: en-DE

Date of print: 21.2.2023

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

1.1 Product identifier

Trade name: Eni metalStanz ST 120 AE

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

General use: Cooling lubricant

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)

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 in accordance with national regulation.

Special labelling

EUH208 Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts and Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

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: mineral oil, additive.



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Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 273-065-8 CAS 68937-40-6	Phenol, isobutylenated, phosphate (3:1) Aquatic Chronic 2; H411.	< 5 %
REACH 01-2119492627-25-xxxx EC No. 271-529-4 CAS 68584-23-6	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts Skin Sens. 1B; H317.	< 5 %
REACH 01-2119488992-18-xxxx EC No. 263-093-9 CAS 61789-86-4	Sulfonic acids, petroleum, calcium salts Skin Sens. 1B; H317.	< 5 %
EC No. 274-263-7 CAS 70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts Skin Sens. 1; H317.	< 5 %

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

Additional information: Information about Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Specific concentration limits (SCL):
Skin Sens. 1B; H317: C ≥ 10 % - ≤ 100 %

Information about Sulfonic acids, petroleum, calcium salts, Specific concentration limits (SCL):
Skin Sens. 1B; H317: C ≥ 10 % - ≤ 100 %

Information about Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Specific concentration limits (SCL):
Skin Sens. 1; H317: C ≥ 10 % - ≤ 100 %

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: 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 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.
The following symptoms may occur: Respiratory complaints, headache, dizziness, nausea.
Symptoms can occur only after several hours.

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: foam, extinguishing powder, carbon dioxide, Sand.



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Extinguishing media which must not be used for safety reasons:

Water, Full water jet

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.

Furthermore, there may develop: Pyrolysis products, Sulphur oxides, Nitrogen oxides (NO_x), 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).

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.

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.



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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 against heat, sun rays and frost.

Store containers in upright position.

storage temperature: 5 - 40 °C (Shelf life: 24 months)

Do not store at temperatures below 0 °C.

Unsuitable container/equipment material: zinc

Hints on joint storage:

Do not store together with: oxidizing agents, Acids.

Keep away from food, drink and animal feedingstuffs.

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

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 ³ (respirable fraction)
		Germany: TRGS 900 Langzeit	5 mg/m ³ (respirable fraction)

DNEL/DMEL:

Information about Phenol, isobutyleneated, phosphate (3:1):

DNEL workers, inhalative, systemic, long-term: 7,58 mg/m³

DNEL workers, dermal, systemic, long-term: 10,8 mg/kg bw/d

Information about Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

DNEL workers, inhalative, systemic, long-term: 11,75 mg/m³

DNEL workers, dermal, systemic, long-term: 3,33 mg/kg

Information about Sulfonic acids, petroleum, calcium salts:

DNEL workers, inhalative, systemic, long-term: 11,75 mg/m³

DNEL workers, dermal, systemic, long-term: 3,33 mg/kg

Information about Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

DNEL workers, inhalative, systemic, long-term: 11,75 mg/m³

DNEL workers, dermal, systemic, long-term: 3,33 mg/kg



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PNEC: Information about Phenol, isobutyleneated, phosphate (3:1):
PNEC water (freshwater): 0,004 mg/L.
PNEC water (marine water): 0 mg/L.
PNEC sediment (freshwater): 3,12 mg/kg dw
PNEC sediment (marine water): 0,312 mg/kg dw
PNEC soil: 0,246 mg/kg dw

Information about Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:
PNEC water (freshwater): 1 mg/L.
PNEC water (marine water): 1 mg/L.
PNEC sewage treatment plant: 1000 mg/L.
PNEC sediment (freshwater): 226.000.000 mg/kg dw
PNEC sediment (marine water): 226.000.000 mg/kg dw

Information about Sulfonic acids, petroleum, calcium salts:
PNEC water (freshwater): 1 mg/L.
PNEC water (marine water): 1 mg/L.
PNEC sewage treatment plant: 1000 mg/L.
PNEC sediment (freshwater): 226.000.000 mg/kg dw
PNEC sediment (marine water): 226.000.000 mg/kg dw

Information about Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:
PNEC water (freshwater): 1 mg/L.
PNEC water (marine water): 1 mg/L.
PNEC sewage treatment plant: 1000 mg/L.
PNEC sediment (freshwater): 226.000.000 mg/kg dw
PNEC sediment (marine water): 226.000.000 mg/kg dw

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.
For short exposures or in case of accident: Filter apparatus, type A2 - P2.
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: 0,12 mm
Breakthrough time: 4 h
Unsuitable glove material: Butyl caoutchouc (butyl rubber), NR (natural rubber, Natural latex), CR (Polychloroprene, Chloroprene rubber)

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. Protect skin by using skin protective cream.

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:	brown
Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flammability:	Not oxidising.
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Flash point/flash point range:	175 °C
Decomposition temperature:	No data available
pH:	not determined
Viscosity, kinematic:	at 40 °C: 117 mm ² /s (DIN 51562)
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	Not determined
Vapour pressure:	No data available
Density:	at 20 °C: 1,01 g/mL (DIN 51757)
Vapour density:	at 20 °C: Not determined
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
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

No dangerous reactions are known.

10.4 Conditions to avoid

Protect against heat, sun rays and frost.

10.5 Incompatible materials

Oxidizing agents, Acids

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

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

Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts and 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: No data available

Other information: Information about Phenol, isobutyleneated, phosphate (3:1):
LD50 Rat, oral: > 5.000 mg/kg
LC50 Rat, inhalative: > 200 mg/L
LD50 Rabbit, dermal: > 2.000 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about Phenol, isobutyleneated, phosphate (3:1):
Fish toxicity:
LC50 Oncorhynchus mykiss: 3,4 mg/L/96h
LC50 Pimephales promelas (fathead minnow): 42,3 mg/L/96h
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 3,9 mg/L/48h

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

12.2 Persistence and degradability

Further details: Biodegradability:
Information about Phenol, isobutyleneated, phosphate (3:1): 61 %/28 d (OECD 301F).

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
Not determined



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12.4 Mobility in soil

No data available

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 enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 13 02 08* = other 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

Waste key number: 15 01 10* = packaging containing residues of or contaminated by dangerous substances
* = Evidence for disposal must be provided.

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.

Additional information

Ecotoxic

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: not applicable

ADN: ID 9006

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



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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: 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

Volatile organic compounds (VOC):

< 3 % by weight

Labelling of packaging with <= 125mL content

Hazard statements: H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts and Sulfonic acids, petroleum, calcium salts. 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:

H317 = May cause an allergic skin reaction.

H411 = Toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

EUH208 = Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts and Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

Reason of change: General revision

Date of first version: 21.4.2022

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
- 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
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- 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/rc4kh3d>

