

Material number 3405

 Revision date:
 18.6.2024

 Version:
 8.1

 Replaces version:
 8.0

 Language:
 en-DE

 Date of print:
 11.2.2025

## **Safety Data Sheet**

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

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

## 1.1 Product identifier

Trade name: Eni Exidia HG 220

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

General use: Lubricant.

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

Company name: Enilive Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14
Postal Code, city: 97080 Würzburg

Germany

E-mail: info.wuerzburg@enilive.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@enilive.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.



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#### 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.

## **SECTION 3: Composition/information on ingredients**

3.1 Substances: not applicable

#### 3.2 Mixtures

Chemical characterisation: A mixture of hydrocarbons, fatty acids, tackifier, polymers and additives.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119488707-21-xxxx EC No. 265-101-6 CAS 64742-01-4	Residual oils (petroleum), solvent-refined not classified	50 - 60 %
REACH 01-2119471299-27-xxxx EC No. 265-169-7 CAS 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic not classified	40 - 50 %

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.

With exposure to water, product will release hydrogen sulfide. The maximum workplace

exposure limits are, where necessary, listed in section 8.

## **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

General information: Take off contaminated clothing and wash it before reuse.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable

for breathing. Seek medical attention.

Following skin contact: After contact with skin, wash immediately with soap and plenty of water. In case of skin

reactions, consult a physician.

If the product penetrates the skin under high pressure, call a physician immediately. Following fire: Apply bandage with sterile gauze. 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 opthalmologist.



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After swallowing:

Rinse mouth thoroughly with water. Repeatedly drink 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

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

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

After contact with skin: Hot product can cause severe 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.

It can take hours before symptoms of poisoning show up following exposure. 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.

In case of large fires: Water spray jet, foam.

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.

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Furthermore, there may develop: Sulphur oxides, hydrogen sulfide, nitrogen oxides (NOx), 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:

Use fine water spray to cool endangered containers. Move undamaged containers from

immediate hazard area if it can be done safely.

Contaminated fire-fighting water must be collected separately. 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. Avoid oil mist formation. Provide adequate ventilation. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Do not get in eyes, on skin, or on clothing.



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## **6.2 Environmental precautions**

Do not allow to enter into ground-water, surface water or drains. If necessary notify appropriate authorities.

## 6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

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. Do not breathe

mist/vapours/spray.

Avoid oil mist formation. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

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

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

Precautions against fire and explosion:

Keep away from heat.

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.

Hints on joint storage: Do not store together with: Strong oxidizing agents.

Keep away from food, drink and animal feedingstuffs.

Storage class: 10 = Combustible liquids that cannot be assigned to any of the above storage classes

## 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	Туре	Limit value
7783-06-4	Hydrogen sulphide	Europe: IOELV: STEL	14 mg/m³; 10 ppm
		Europe: IOELV: TWA	7 mg/m³; 5 ppm
		Germany: TRGS 900 Kurzzeit	14,2 mg/m³; 10 ppm
		Germany: TRGS 900 Langzeit	7,1 mg/m³; 5 ppm

DNEL/DMEL: Information about Residual oils (petroleum), solvent-refined (CAS 64742-01-4):

DNEL workers, long-term, systemic, dermal: 0,97 mg/kg/ bw/d DNEL workers, long-term, systemic, inhalative: 2,73 mg/m³ DNEL workers, long-term, local, inhalative: 5,58 mg/m³ DNEL consumers, long-term, local, inhalative: 1,19 mg/m³ DNEL consumers, long-term, systemic, oral: 0,74 mg/kg bw/d

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS

64742-65-0):

DNEL workers, long-term, systemic, dermal: 0,97 mg/kg/ bw/d DNEL workers, long-term, systemic, inhalative: 2,73 mg/m³ DNEL workers, long-term, local, inhalative: 5,58 mg/m³ DNEL consumers, long-term, systemic, oral: 0,74 mg/kg bw/d

PNEC: Information about Residual oils (petroleum), solvent-refined (CAS 64742-01-4):

PNEC oral, Secondary poisoning: 9,33 mg/kg (Food)

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS

64742-65-0):

PNEC oral, Secondary poisoning: 9,33 mg/kg (Food)

#### 8.2 Exposure controls

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

## **Personal protection equipment**

#### Occupational exposure controls

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Use combination filter type

A/P according to EN 14387.

Approved respiratory protection equipment shall be used in spaces where hydrogen

sulfide may accumulate. Full face mask (EN 136) with filter type B.

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 ISO 374:1.

Glove material: Nitrile rubber (NBR), 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.



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General protection and hygiene measures:

Do not breathe mist/vapours/spray. Avoid oil mist formation. Take off contaminated clothing and wash it before reuse. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Protect skin by using skin protective cream. 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

Form: Clear

Colour: Yellow-brown
Odour: Petroleum (slight smell)

Odour threshold:

Melting point/freezing point:

No data available

Not applicable

Initial boiling point and boiling range:

No data available

Flammability: This product is non-flammable.

Upper/lower flammability or explosive limits: LEL (Lower Explosion Limit):  $\geq 45 \text{ g/m}^3$  (aerosol)

Flash point/flash point range: > 200 °C (ASTM D 92)

Decomposition temperature: No data available

pH: No data available

Viscosity, kinematic: at 40 °C: 210 - 230 mm²/s (ASTM D 445)

Water solubility: Insoluble

Partition coefficient: n-octanol/water: 1,99 - 18,02 log P(o/w) (Distillates (petroleum), solvent-dewaxed heavy

paraffinic (CAS 64742-65-0))

Based on the n-octanol/water partition coefficient accumulation in organisms

is possible.

Vapour pressure: at 20 °C: < 0,1 hPa (Mineral oil, ASTM D 5191)

Density: at 15 °C:  $< 905 \text{ kg/m}^3 \text{ (ASTM D } 4052)$ 

Vapour density: No data available
Particle characteristics: Not applicable

9.2 Other information

Explosive properties: Product is not explosive.

Oxidizing characteristics: Not oxidising

Auto-ignition temperature: No data available

Evaporation rate: Negligible (Butyl acetate = 1)
Additional information: Pour point: -15 °C (ASTM D 97)

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## **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

Exothermic 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:

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

Direct contact with eyes may cause temporary irritation.

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.

#### 11.2 Information on other hazards

Endocrine disrupting properties:

None

Other information: Information about Residual oils (petroleum), solvent-refined (CAS 64742-01-4):

LD50 Rat, oral: > 5.000 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 5.000 mg/kg bw (OECD 402)

LC50 Rat, inhalative (Dusts/Mist): > 5,53 mg/L/4h (OECD 403)

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS

64742-65-0):

LD50 Rat, oral: > 5.000 mg/kg (OECD 401) LD50 Rabbit, dermal: > 5.000 mg/kg (OECD 402)

LC50 Rat, inhalative (Dusts/Mist): > 5,53 mg/L/4h (OECD 403)

#### **Symptoms**

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

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

After contact with skin: Hot product can cause severe burns.

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



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## **SECTION 12: Ecological information**

## 12.1 Toxicity

Aquatic toxicity: Information about Residual oils (petroleum), solvent-refined (CAS 64742-01-4):

Fish toxicity:

LL50 Pimephales promelas (fathead minnow): > 100 mg/L/96h (OECD 203)

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): > 10.000 mg/L/48h (OECD 202)

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS

64742-65-0): Fish toxicity:

LL50 Pimephales promelas (fathead minnow): > 100 mg/L/96h (OECD 203)

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): > 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: According to OECD criteria the product is not readily biodegradable but inherently

biodegradable.

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS

64742-65-0):

31%/28d. Inherently biodegradable.

#### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

1,99 - 18,02 log P(o/w) (Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS

64742-65-0))

Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

#### 12.4 Mobility in soil

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS

64742-65-0):

Log Koc: 1,71 - 14,7

#### 12.5 Results of PBT and vPvB assessment

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

## 12.6 Endocrine disrupting properties

None

#### 12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water 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 dispose of with household

waste.

**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, IMDG, IATA-DGR:

Not restricted

ADN: No dangerous good in sense of this transport regulation.

## 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 that cannot be assigned to any of the above storage classes

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

Technical guidance air: 5.2.5

Further regulations, limitations and legal requirements:

No data available

#### 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:
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:

EUH210 = Safety data sheet available on request.

Reason of change: Changes in section 8: Occupational exposure limit values

Changes in section 9: Physical and chemical properties

Date of first version: 3.4.2023

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

CAS: Chemical Abstracts Service

CFR: Code of Federal Regulations

CLP: Classification, Labelling and Packaging

DIN: German Insitute for Standardization

DMEL: Derived minimal effect level

DNEL: Derived no-effect level

EC: European Community

EL50: Effective loading rate 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

log P(o/w): Partition coefficient: octanol/water

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

NF: French Standard



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OECD: Organisation for Economic Co-operation and Development

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

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/yyb4cyry

