

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : eni Additiv EPE, Art.-no. 0478
Revision date : 01.04.2015
Print date : 15.07.2016

Version (Revision) : 3.0.0 (1.0.0)

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

1.1 Product identifier

eni Additiv EPE

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

Relevant identified uses

Metal working fluids

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor)

Eni Schmiertechnik GmbH

Street : Paradiesstraße 14

Postal code/city : 97080 Würzburg

Telephone : (+49) 931-90098-0

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Information contact : Technical Department, Tel. (+49) 931 900 98-142

email: technik.wuerzburg@agip.de, www.enischmiertechnik-datenblaetter.de

1.4 Emergency Telephone Number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

None

2.2 Label elements

None

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

None

Further ingredients

sulfurized fatty acid esters ; EC No. : 295-700-8; CAS No. : 92128-09-1

Weight fraction : 80 - 100 %

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Remove affected person from the danger area and lay down.

Following inhalation

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Remove casualty to fresh air and keep warm and at rest.

In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam, Extinguishing powder, Carbon dioxide (CO₂), Water spray, Water mist,

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Smoke and other incomplete combustion products.

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Do not inhale explosion and combustion gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Avoid contact with skin, eyes and clothes.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece).

6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment.
See Section 12 for environmental precautions.

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See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas. Put lids on containers immediately after use. Avoid contact with skin, eyes and clothes. Avoid: Inhalation of vapours or spray/mists

Protective measures

Measures to prevent fire

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Environmental precautions

Do not allow to enter into surface water or drains.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Protect containers against damage.

Hints on joint storage

Keep away from: Oxidising agent

Storage class : 10

Do not store together with

Food and feedingstuffs

Further information on storage conditions

Recommended storage temperature : 5 - 40°C / 40 - 105°F.

Protect against : Frost, Heat, UV-radiation/sunlight

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

No DNEL / DMEL-values available.

PNEC

No DNEL-values available.

8.2 Exposure controls

Appropriate engineering controls

Use only in well-ventilated areas. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Eye/face protection

Eye glasses with side protection DIN EN 166

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Skin protection

Hand protection

Tested protective gloves must be worn (DIN EN 374). The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material :

Wearing time with permanent contact:

Material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber),

Thickness of the glove material: 0,70 mm

Breakthrough time (maximum wearing time): > 480 min

Wearing time with occasional contact (splashes):

Material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber),

Thickness of the glove material: 0,40 mm

Breakthrough time (maximum wearing time): > 30 min

Breakthrough time (maximum wearing time): : For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection

Body protection not required.

Respiratory protection

Usually no personal respiratory protection necessary.

General health and safety measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : brown

Odour : characteristic

Safety relevant basis data

pH :					No data available
Melting point/melting range :	(1013 hPa)				No data available
Initial boiling point and boiling range :	(1013 hPa)				No data available
Flash point :	(1013 hPa)	>	190	°C	DIN EN ISO 2592
Flammability (Solid, Gas):					not applicable
Lower explosion limit :					No data available
Upper explosion limit :					No data available
Vapour Density (Air = 1):					no data available
Vapour Pressure :	(20 °C)				no data available
Evaporation Rate :					no data available
Density :	(15 °C)	approx.	1	g/cm ³	DIN EN ISO 12185
Partition Coefficient (n-octanol/water):	(log Pow)				no data available
Ignition temperature :					No data available
Decomposition temperature :					No data available
Viscosity :	(40 °C)		240 - 280	mm ² /s	DIN 51562
Odour threshold :					No data available
Oxidizing Properties:					no data available
Explosive Properties:					no data available

9.2 Other information

None

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SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5 Incompatible materials

Oxidising agent, strong.
Reducing agent, strong.
Acid
Alkali (lye), concentrated.

10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage.
In case of warming: Hydrogen sulphide (H₂S).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological data are not available. The statement is derived from the properties of the single components.

Acute effects

No data available to indicate product may be an acute toxic oral, dermal or inhalation hazard.

Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg

Irritant and corrosive effects

Not an irritant.

Primary irritation to the skin

Parameter :	Primary irritation to the skin
Species :	Rabbit
Result :	not irritating
Method :	OECD 404

Irritation to eyes

Parameter :	Irritation to eyes
Species :	Rabbit
Result :	not irritating
Method :	OECD 405

Sensitisation

not sensitising.

In case of skin contact

Parameter :	Skin sensitisation
Parameter :	guinea pig
Result :	non sensitizing

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Method : OECD 406

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

no known significant effects or critical hazards.

Germ cell mutagenicity

no known significant effects or critical hazards.

Reproductive toxicity

no known significant effects or critical hazards.

STOT-single exposure

STOT SE 1 and 2

Not expected to cause organ damage from a single exposure.

STOT-repeated exposure

STOT RE 1 and 2

Not expected to cause organ damage from prolonged or repeated exposure.

Aspiration hazard

Based on the available data the classification criteria for aspiration toxicity are not met. For viscosity data, see section 9.

SECTION 12: Ecological information

12.1 Toxicity

For the product ecotoxicological data are not available. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

Aquatic toxicity

harmless to aquatic organisms up to the tested concentration

Acute (short-term) fish toxicity

Parameter : LC50
Effective dose : > 6500 mg/l

Bacteria toxicity

Parameter : EC50
Effective dose : > 8000 mg/l

12.2 Persistence and degradability

Biodegradation

Analytical method : Biodegradation
Degradation rate : > 90 %
Method : CEC-Test L-33-T-82

Part of the components is biodegradable.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substance does not fulfill the screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Do not allow uncontrolled discharge of product into the environment.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options

Appropriate disposal / Product

Consult the appropriate local waste disposal expert about waste disposal. Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

Other disposal recommendations

Containers, even those that have been emptied, can contain product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, drill, grind, weld or perform similar operations on or near containers.

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

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16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
IP346 = Institute of Petroleum test method N° 346 for the determination of polycyclic aromatics DMSO-extractables
LC50 = Lethal Concentration fifty
LD50 = Lethal Dose fifty per cent.
LogPow = logarithm of the octanol/water partition coefficient
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL = Short term exposure limit
SVHC = Substances of Very High Concern
TWA = Time weighted average
UVCB = Complex hydrocarbon substance
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

Sources of information used in preparing this SDS included one or more of the following: Product Dossiers and SDS from suppliers, complemented by public sources, as appropriate (GESTIS, the EU IUCLID Data Base, U.S. NTP publications, e.g.).

16.4 Relevant H- and EUH-phrases (Number and full text)

None

16.5 Training advice

Provide adequate information, instruction and training for operators.

16.6 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.