

# Safety Data Sheet

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



**Trade name :** eni metalPress WM E, Art.-no. 0829  
**Revision date :** 01.06.2015  
**Print date :** 09.03.2017

**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 metalPress WM E

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

#### Relevant identified uses

Metal working fluids

#### Uses advised against

No information available.

### 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

#### Telefax :

(+49) 931-98442

#### Information contact :

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

#### email:

[technik.wuerzburg@agip.de](mailto:technik.wuerzburg@agip.de), [www.enischmiertechnik-datenblaetter.de](http://www.enischmiertechnik-datenblaetter.de)

### 1.4 Emergency Telephone Number

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Exclamation mark (GHS07)

##### Signal word

Warning

##### Hazard components for labelling

a,a',a''-trimethyl-1,3,5-triazine-1,3,5-(2H,4H,6H)-triethanol ; CAS No. : 25254-50-6

##### Hazard statements

H317 May cause an allergic skin reaction.

##### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water/....

### 2.3 Other hazards

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None

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Description

Preparation of solvent refined mineral oils with low content of aromatic hydrocarbons and additives.

##### Hazardous ingredients

Hydrocarbon waxes (petroleum), oxidized, Me esters, barium salts ; EC No. : 271-637-1; CAS No. : 68603-10-1

Weight fraction : 5 - 10 %

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H332

a,a',a''-trimethyl-1,3,5-triazine-1,3,5-(2H,4H,6H)-triethanol ; EC No. : 246-764-0; CAS No. : 25254-50-6

Weight fraction : 1 - 5 %

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319

2-(2-BUTOXYETHOXY)ETHANOL ; REACH registration No. : 01-2119475104-44-0006 ; EC No. : 203-961-6; CAS No. : 112-34-5

Weight fraction : 1 - 5 %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

##### Further ingredients

The highly refined mineral oil contains less than 3% (w/w) DMSO-extract, according to IP 346 and is not considered to be carcinogenic.

##### Additional information

Full text of R-, H- and EUH-phrases: see section 16.

### 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.

##### Following inhalation

Remove victim out of the danger area. Remove casualty to fresh air and keep warm and at rest. Where appropriate artificial ventilation.

##### In case of skin contact

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

##### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

##### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting.

##### Self-protection of the first aider

No action shall be taken involving any personal risk or without suitable training.

#### 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.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Water spray jet, Water mist

##### Unsuitable extinguishing media

Strong water jet

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

##### Hazardous combustion products

In case of fire may be liberated: Sulphur dioxide (SO<sub>2</sub>), Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>), 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. Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. 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

Use personal protection equipment. Avoid contact with skin, eyes and clothes. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Special danger of slipping by leaking/spilling product.

#### 6.2 Environmental precautions

Cover drains. 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

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

##### For cleaning up

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Clean contaminated articles and floor according to the environmental legislation.

#### 6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment.

See Section 12 for environmental precautions.

See Section 13 for additional waste treatment information.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Wear personal protection equipment (refer to section 8). Use only in well-ventilated areas. Handle and open container with care. Avoid contact with skin, eyes and clothes. Do not breathe vapour/spray.

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### Protective measures

#### Measures to prevent fire

Only use the material in places where open light, fire and other flammable sources can be kept away.

#### Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Shafts and sewers must be protected from entry of the product.

#### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Use protective skin cream before handling the product.

### 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. Only use containers specifically approved for the substance/product. Floors should be impervious, resistant to liquids and easy to clean.

#### Hints on joint storage

Keep away from: Oxidising agent

**Storage class :** 10

**Storage class (TRGS 510) :** 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 :** Heat, UV-radiation/sunlight Frost,

**Storage stability :** Product may be stored for up to 12 months under described conditions.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 10 ppm / 67 mg/m<sup>3</sup>

Peak limitation : 1,5(I)

Remark : Y

Version : 04.11.2017

Limit value type (country of origin) : STEL ( EC )

Limit value : 15 ppm / 101,2 mg/m<sup>3</sup>

Version : 07.02.2006

Limit value type (country of origin) : TWA ( EC )

Limit value : 10 ppm / 67,5 mg/m<sup>3</sup>

Version : 07.02.2006

#### DNEL/DMEL and PNEC values

##### DNEL/DMEL

Limit value type : DNEL worker (systemic) ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )

Exposure route : Dermal

Exposure frequency : Long-term (repeated)

Limit value : 20 mg/kg

Limit value type : DNEL worker (systemic) ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )

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Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 67,5 mg/m<sup>3</sup>

### Remark

The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulation.

### PNEC

Limit value type : PNEC aquatic, freshwater ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Limit value : 1 mg/l  
Limit value type : PNEC aquatic, marine water ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Limit value : 0,1 mg/l  
Limit value type : PNEC sediment, freshwater ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Limit value : 4 mg/kg  
Limit value type : PNEC sediment, marine water ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Limit value : 0,4 mg/kg  
Limit value type : PNEC sewage treatment plant (STP) ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Limit value : 200 mg/l

## 8.2 Exposure controls

### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. 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

### Skin protection

#### Hand protection

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. Tested protective gloves must be worn (DIN EN 374).

#### 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

**Unsuitable material :** PVA (Polyvinyl alcohol),

**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. If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

#### Other protection measures

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When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

## Respiratory protection

Usually no personal respirative protection necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist formation.

## Suitable respiratory protection apparatus

Combination filtering device (EN 14387)

## 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

<b>pH :</b>	( 20 °C / 5 Wt % )		8,9 - 9,2	DIN 51369
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	>	100 °C	
<b>Flash point :</b>			130 °C	DIN EN ISO 2592
<b>Pour Point:</b>			no data available	
<b>Flammability (Solid, Gas):</b>			not applicable	
<b>Lower explosion limit :</b>			0,6 Vol-%	
<b>Upper explosion limit :</b>			6,5 Vol-%	
<b>Vapour pressure :</b>	( 20 °C )		No data available	
<b>Evaporation Rate :</b>			no data available	
<b>Density :</b>	( 15 °C )		0,932 g/cm <sup>3</sup>	DIN EN ISO 12185
<b>Water solubility :</b>	( 20 °C )		miscible	
<b>log P O/W :</b>			not applicable	
<b>Cinematic viscosity :</b>	( 20 °C )	approx.	24 mm <sup>2</sup> /s	DIN EN ISO 3104
<b>Ignition temperature :</b>		>	240 °C	
<b>Decomposition temperature :</b>			No data available	
<b>Odour threshold :</b>			No data available	
<b>Relative vapour density :</b>	( 20 °C )		No data available	
<b>Maximum VOC content (Switzerland) :</b>			2 Wt %	
<b>Oxidising liquids :</b>			Not oxidizing.	
<b>Explosive properties :</b>			Not explosive according to EU A.14.	

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.2 Chemical stability

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

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### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

Oxidising agent, strong.

### 10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage.

## 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.

#### Irritant and corrosive effects

Not an irritant.

#### Sensitisation

May cause sensitisation by skin contact.

#### In case of skin contact

Parameter : Skin sensitisation ( a,a',a''-trimethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol ; CAS No. : 25254-50-6 )

Parameter : Guinea pig

Result : sensitizing

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

no known significant effects or critical hazards.

#### STOT-repeated exposure

##### STOT RE 1 and 2

no known significant effects or critical hazards.

#### 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

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harmless to aquatic organisms up to the tested concentration

### 12.2 Persistence and degradability

#### Abiotic degradation

##### Physicochemical elimination

Poorly eliminated from water.

#### Biodegradation

Part of the components is biodegradable.

### 12.3 Bioaccumulative potential

May accumulate in organisms.

### 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.

## 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 code product

12 01 07\*

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

(**Waste key of the emulsion:** 12 01 09\*)

##### Waste name

Mineral-based machining oils free of halogens (except emulsions and solutions).

#### Waste treatment options

##### Appropriate disposal / Product

Consult the appropriate local waste disposal expert about waste disposal. Dispose according to 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 spilled 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.



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### 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

#### EU legislation

##### Other regulations (EU)

##### Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

#### National regulations

##### Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

### 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Labelling (67/548/EEC or 1999/45/EC) · 03. Hazardous ingredients

### 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]

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

STEL = Short term exposure limit

SVHC = Substances of Very High Concern

TWA = Time weighted average

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

### 16.3 Key literature references and sources for data

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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)

H302	Harmful if swallowed.
H302+H332	Harmful if swallowed or if inhaled.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

### 16.5 Training advice

Provide adequate information, instruction and training for operators.

### 16.6 Additional information

None

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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.

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