

# Safety Data Sheet

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



**Trade name :** Eni metalPress ST 300 EP, Art.-no. 0734  
**Revision :** 06.07.2016  
**Print date :** 23.02.2017

**Version (Revision) :** 5.0.0 (4.0.0)

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

### 1.1 Product identifier

Eni metalPress ST 300 EP

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

Lubricant and lubricant additive Lubricants, greases, release products ( cooling grease ) . (cooling grease)

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

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Eni Schmiertechnik GmbH

**Street :** Paradiesstr. 14

**Postal code/city :** D – 97080 Würzburg

**Telephone :** +49 931 900 98-0

**Telefax :** +49 931 98442

#### Information contact :

Abteilung Anwendungstechnik, Tel. (+49) 931 900 98-145

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]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

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

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.

##### Special rules for supplemental label elements for certain mixtures

EUH208 Contains Benzenesulfonic acid,C10-16-alkyl derivs.,calcium salts ; Benzenesulfonic acid, mono-C16-24-alkyl derivs,calcium salts ; Sulfonic acids, Petroleum, Calcium Salts, Oil soluble.May produce an allergic reaction.

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

Base oil with additives.

#### Hazardous ingredients

Di-tert-dodecyl polysulfide ; EC No. : 270-335-7; CAS No. : 68425-15-0

Weight fraction :  $\geq 1 - < 10 \%$

Classification 1272/2008 [CLP] : Aquatic Chronic 4 ; H413

# Safety Data Sheet

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



**Trade name :** Eni metalPress ST 300 EP, Art.-no. 0734  
**Revision :** 06.07.2016  
**Print date :** 23.02.2017

**Version (Revision) :** 5.0.0 (4.0.0)

Distillates (petroleum), hydrotreated light paraffinic ; REACH registration No. : 01-2119487077-29 ; EC No. : 265-158-7; CAS No. : 64742-55-8

Weight fraction :  $\geq 1 - < 10 \%$   
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

Zinc-bis[0,0-bis(2-ethylhexyl)]bis(dithiophosphate) ; REACH registration No. : 01-2119493635-27 ; EC No. : 224-235-5; CAS No. : 4259-15-8

Weight fraction :  $\geq 1 - < 10 \%$   
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Aquatic Chronic 2 ; H411

Benzenesulfonic acid,C10-16-alkyl derivs.,calcium salts ; EC No. : 271-529-4; CAS No. : 68584-23-6

Weight fraction :  $\geq 1 - < 10 \%$   
Classification 1272/2008 [CLP] : Skin Sens. 1B ; H317

SODIUM PETROLEUM SULFONATE ; EC No. : 290-641-4

Weight fraction :  $\geq 1 - < 10 \%$   
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Sulfonic acids, Petroleum, Calcium Salts, Oil soluble ; REACH registration No. : 01-2119488992-18-0000 ; EC No. : 263-093-9; CAS No. : 61789-86-4

Weight fraction :  $\geq 0,1 - < 1 \%$   
Classification 1272/2008 [CLP] : Skin Sens. 1B ; H317

Benzenesulfonic acid, mono-C16-24-alkyl derivs,calcium salts ; EC No. : 274-263-7; CAS No. : 70024-69-0

Weight fraction :  $\geq 0,1 - < 1 \%$   
Classification 1272/2008 [CLP] : Skin Sens. 1B ; H317

2,6-Di-tert-Butyl-p-cresol ; REACH registration No. : 01-2119555270-46 ; EC No. : 204-881-4; CAS No. : 128-37-0

Weight fraction :  $\geq 0 - < 1 \%$   
Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

### Additional information

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

### 3.3 Additional information

Highly refined mineral oil (IP 346 DMSO extract < 3%).

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately.

#### Following inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

#### In case of skin contact

Wash immediately with: Water and soap .

#### After eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Wash with plenty of water. Call a physician immediately.

#### After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Symptoms

Respiratory complaints , Headache , Dizziness , Nausea .

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet , Foam , Extinguishing powder , Carbon dioxide (CO2) , Sand .

# Safety Data Sheet

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



**Trade name :** Eni metalPress ST 300 EP, Art.-no. 0734  
**Revision :** 06.07.2016  
**Print date :** 23.02.2017

**Version (Revision) :** 5.0.0 (4.0.0)

Co-ordinate fire-fighting measures to the fire surroundings.

## Unsuitable extinguishing media

High power water jet .

## 5.2 Special hazards arising from the substance or mixture

### Hazardous combustion products

Carbon dioxide (CO<sub>2</sub>) , Nitrogen oxides (NO<sub>x</sub>). Sulphur oxides Carbon monoxide

## 5.3 Advice for firefighters

### Special protective equipment for firefighters

Use suitable breathing apparatus.

## 5.4 Additional information

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

Provide fresh air.

Avoid contact with skin, eyes and clothes.

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

### 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

Special danger of slipping by leaking/spilling product. Take up mechanically. Disposal: see section 13 .

#### For cleaning up

Take up with oil-absorbing compound.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No hazardous reaction when handled and stored according to provisions. ( Health hazards : None ) . Avoid contact with skin, eyes and clothes.

Do not breathe vapour/aerosol. Provide fresh air.

Respiratory protection necessary at: generation/formation of aerosols , insufficient ventilation , insufficient exhaust .

#### Protective measures

##### Measures to prevent aerosol and dust generation

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Packaging materials

Zinc

#### Requirements for storage rooms and vessels

Dispose according to legislation. Do not allow to enter into surface water or drains.

#### Hints on joint storage

Possibility of hazardous reactions : Oxidising agent .

**Storage class (TRGS 510) :** 10

#### Further information on storage conditions

Keep/Store only in original container. Notice the directions for use on the label.

**Do not store at temperatures below :** 0 °C .

**Recommended storage temperature :** 5 °C - 40 °C .

# Safety Data Sheet

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



**Trade name :** Eni metalPress ST 300 EP, Art.-no. 0734  
**Revision :** 06.07.2016  
**Print date :** 23.02.2017

**Version (Revision) :** 5.0.0 (4.0.0)

**Protect against :** Protect against direct sunlight. Keep away from heat.

**Storage stability :** 24 months ( 5 °C - 40 °C ) .

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

Danger : generation/formation of aerosols Limit value : 10 mg/m<sup>3</sup> .

### 8.1 Control parameters

#### Occupational exposure limit values

Distillates (petroleum), hydrotreated light paraffinic ; CAS No. : 64742-55-8

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

Limit value : 5 mg/m<sup>3</sup>

Version :

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

Limit value : 5 mg/m<sup>3</sup>

Version :

2,6-Di-tert-Butyl-p-cresol ; CAS No. : 128-37-0

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

Parameter : measured as the inhaleable fraction

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

Version :

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

Parameter : alveolar particles

Limit value : 3 mg/m<sup>3</sup>

Version :

### 8.2 Exposure controls

#### Appropriate engineering controls

See protective measures under point 7 and 8.

#### Personal protection equipment

General health and safety measures No special measures are necessary.

#### Eye/face protection

Additional eye protection measures : Wear eye/face protection.

#### Skin protection

##### Hand protection

Tested protective gloves must be worn Breakthrough time (maximum wearing time) : 4 hours ( NBR (Nitrile rubber) , Thickness of the glove material : 0,4 mm ) . See information supplied by the manufacturer.

#### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Fresh air masks are recommended, or combination filters A2-P2 for works of short duration.

#### General health and safety measures

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs. Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

liquid

**Physical state :** liquid

# Safety Data Sheet

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



Trade name : Eni metalPress ST 300 EP, Art.-no. 0734  
Revision : 06.07.2016  
Print date : 23.02.2017

Version (Revision) : 5.0.0 (4.0.0)

Colour : brown

## Odour

characteristic

## Safety relevant basis data

Melting point/melting range :		not applicable		Literature value
Decomposition temperature :		not determined		
Flash point :		190 °C		
Stockpunkt - Fließpunkt - pour point :		-21 °C		
Lower explosion limit :		not determined		
Upper explosion limit :		not determined		
Danger of explosion :		formation of explosive mixture possible		
Density :	( 20 °C )	approx.	0,967 g/cm <sup>3</sup>	DIN 51757
Relative density :	( 20 °C )		not determined	
Solubility in / Miscibility with Water:			Insoluble	
pH-Wert, Konzentration unbestimmt oder bei Sättigungskonzentration :	( 20 °C )			
log P O/W :			not determined	
Viscosity kinematic:	( 40 °C )		170 mm <sup>2</sup> /s	DIN 51562
Odour threshold :			not determined	
Relative vapour density :	( 20 °C )		not determined	
Vapourisation rate :			not determined	
Oxidising liquids :	Not oxidising.			

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

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

### 10.5 Incompatible materials

Oxidising agent, strong.

### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses. Thermal decomposition can lead to the escape of irritating gases and vapours. Hazardous decomposition products : Carbon monoxide Carbon dioxide, aldehydes, Ketone , Sulphur oxides , Nitrogen oxides (NOx).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter :	LD0 ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )
Exposure route :	Oral
Species :	Mouse
Effective dose :	= 12,5 ML/KG
Parameter :	LD50 ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )
Exposure route :	Oral
Species :	Mouse

# Safety Data Sheet

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



**Trade name :** Eni metalPress ST 300 EP, Art.-no. 0734  
**Revision :** 06.07.2016  
**Print date :** 23.02.2017

**Version (Revision) :** 5.0.0 (4.0.0)

Effective dose : = 45000 mg/kg  
Parameter : LD50 ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 19,5 g/kg  
Parameter : NOAEL ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )  
Exposure route : Oral  
Species : Rat  
Effective dose : = 1000 mg/kg  
Exposure time : Tage  
Parameter : LD50 ( Distillates (petroleum), hydrotreated light paraffinic ; CAS No. : 64742-55-8 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 2000 mg/kg  
Parameter : LD50 ( Zinc-bis[0,0-bis(2-ethylhexyl)]bis(dithiophosphate) ; CAS No. : 4259-15-8 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 3100 mg/kg  
Parameter : LD50 ( 2,6-Di-tert-Butyl-p-cresol ; CAS No. : 128-37-0 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 890 - 2930 mg/kg  
Parameter : LD50 ( 2,6-Di-tert-Butyl-p-cresol ; CAS No. : 128-37-0 )  
Exposure route : Oral  
Species : Mouse  
Effective dose : 1040 mg/kg

### Acute dermal toxicity

Parameter : LD0 ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )  
Exposure route : Dermal  
Species : Rat  
Effective dose : = 2000 mg/kg  
Parameter : LD50 ( Distillates (petroleum), hydrotreated light paraffinic ; CAS No. : 64742-55-8 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 2000 mg/kg  
Parameter : LD50 ( Zinc-bis[0,0-bis(2-ethylhexyl)]bis(dithiophosphate) ; CAS No. : 4259-15-8 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 5001 mg/kg  
Parameter : LD50 ( 2,6-Di-tert-Butyl-p-cresol ; CAS No. : 128-37-0 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 2000 mg/kg

### Acute inhalation toxicity

Parameter : LC50 ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 15,5 mg/l  
Exposure time : 4 h  
Parameter : LC50 ( Distillates (petroleum), hydrotreated light paraffinic ; CAS No. : 64742-55-8 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 5000 mg/m<sup>3</sup>  
Exposure time : 4 h

### Irritant and corrosive effects

#### Primary irritation to the skin

# Safety Data Sheet

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



**Trade name :** Eni metalPress ST 300 EP, Art.-no. 0734  
**Revision :** 06.07.2016  
**Print date :** 23.02.2017

**Version (Revision) :** 5.0.0 (4.0.0)

## Practical experience/human evidence

No hazardous reaction when handled and stored according to provisions. ( Health hazards : None known. )

## Irritation to eyes

Parameter : Irritation to eyes ( Zinc-bis[0,0-bis(2-ethylhexyl)]bis(dithiophosphate) ; CAS No. : 4259-15-8 )  
Species : Rabbit  
Effective dose :  $\geq 50\%$   
Exposure time : 72 h

## Sensitisation

No information available.

## SECTION 12: Ecological information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) algae toxicity

Parameter : EC50 ( Zinc-bis[0,0-bis(2-ethylhexyl)]bis(dithiophosphate) ; CAS No. : 4259-15-8 )  
Species : Daphnia  
Effective dose : 1 - 10 mg/l  
Parameter : EC0 ( 2,6-Di-tert-Butyl-p-cresol ; CAS No. : 128-37-0 )  
Species : Daphnia  
Effective dose :  $> 0,3$  mg/l  
Exposure time : 48 h  
Parameter : EC50 ( 2,6-Di-tert-Butyl-p-cresol ; CAS No. : 128-37-0 )  
Species : Algae  
Effective dose :  $> 0,42$  mg/l  
Exposure time : 72 h

##### Bacteria toxicity

Parameter : Bacteria toxicity ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )  
Species : Pseudomonas putida  
Evaluation parameter : Bacteria toxicity  
Effective dose : 10000 mg/l

### 12.2 Persistence and degradability

#### Biodegradation

Parameter : Biodegradation ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )  
Inoculum : Biodegradation  
Evaluation parameter : Aerobic  
Effective dose : 0 %  
Exposure time : 28 Tage

### 12.3 Bioaccumulative potential

Parameter : Partition coefficient n-octanol /water (log P O/W) ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )  
Partition coefficient n-octanol /water (log P O/W)  
Partition coefficient n-octanol /water (log P O/W)  
Concentration :  $> 6,2$

### 12.4 Mobility in soil

#### Adsorption/Desorption

Parameter : Mobility in soil ( Di-tert-dodecyl polysulfide ; CAS No. : 68425-15-0 )  
Inoculum : Mobility in soil  
Evaluation parameter : Mobility in soil  
Effective dose : 1,18 Pam<sup>3</sup>/mol

### 12.5 Results of PBT and vPvB assessment

No information available.

# Safety Data Sheet

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



**Trade name :** Eni metalPress ST 300 EP, Art.-no. 0734  
**Revision :** 06.07.2016  
**Print date :** 23.02.2017

**Version (Revision) :** 5.0.0 (4.0.0)

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

Do not allow to enter into surface water or drains.

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

##### Waste code product

130208

##### Properties of waste which render it hazardous

Ecotoxic.

##### Waste treatment options

##### Appropriate disposal / Product

ASN 12 01 07: mineral-based machining oils free of halogens (except emulsions and solutions). Send to a physico-chemical treatment facility under observation of official regulations.

##### Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Completely emptied packages can be recycled. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

##### Other disposal recommendations

Dispose according to legislation. Do not allow to enter into surface water or drains.

## 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

### 14.8 Additional information

No dangerous good in sense of these transport regulations.

## SECTION 15: Regulatory information

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

#### EU legislation

REACH Regulation – the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP Regulation – the European Parliament and Council Regulation (EC) No 1272/2008 concerning reclassification, labelling and packaging of substances and mixtures

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP].



# Safety Data Sheet

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



**Trade name :** Eni metalPress ST 300 EP, Art.-no. 0734  
**Revision :** 06.07.2016  
**Print date :** 23.02.2017

**Version (Revision) :** 5.0.0 (4.0.0)

### 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

For further information refer to our technical data sheet.

### 16.1 Indication of changes

01. Relevant identified uses · 02. Classification of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 02. Special rules for supplemental label elements for certain mixtures · 03. Hazardous ingredients · 03. Composition / Information on ingredients - Additional information · 06. Methods and material for containment and cleaning up - For cleaning up · 07. Protective measures - Measures to prevent aerosol and dust generation · 07. Packaging materials · 07. Hints on joint storage - Storage class · 08. Occupational exposure limit values · 08. Respiratory protection · 09. Physical state · 13. Waste code product · 13. Appropriate disposal / Product · 13. Properties of waste which render it hazardous

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### 16.6 Training advice

None

### 16.7 Additional information

Please refer to our internet website for more information: See section 1.

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.