



Section 1. Identification of substance/mixture and of the company/undertaking.

1.1 Product identifier:

Product name: Eni metalPress FP 70 AE

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

Identified uses: Metal working

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/Supplier: Eni Schmiertechnik GmbH

Address and telephone no.: Paradiesstr. 14, D-97080 Würzburg
Tel. (+ 49) 931 - 900 98-0 Fax (+ 49) 931-98442
www.enischmiertechnik-datenblaetter.de

Advising/Support: Technical Department, Tel. (+49) 931 900 98-142
technik.wuerzburg@agip.de

Section 2. Hazards identification.

2.1 Classification of the substance or mixture: The product has been classified and labelled as hazardous according to Regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No. 1272/2008 as amended:

Environmental hazards to the aquatic environment:

Chronic hazards to the aquatic environment; Category 3, H412: Harmful to aquatic life with long lasting effects

Hazard summary:

Physical hazards: No data available

2.2 Label elements:

Hazard statements: H412: Harmful to aquatic life with long lasting effects

Precautionary statements:

Prevention: P273: Avoid release to the environment

2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) is kept. The product may not be released into the environment without control.

Section 3. Composition/information on ingredients.

3.2 Mixtures:

General information: Mixture containing severely refined base oils and additives.

| Chemical name | Concentration* | Identifier | REACH Registration-No. | Notes |
|------------------------------|----------------|------------|------------------------|-------|
| Triaryl phosphate, alkylated | 1,00 - < 2,50% | 273-065-8 | | |
| Phenolic Antioxidant | 0,10 - < 0,25% | 204-881-4 | 01-2119565113-46 | |

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance

vPvB: very persistent and very bioaccumulative substance

Classification:

| Chemical name | Identifier | Classification | |
|------------------------------|-------------------|----------------|--|
| Triaryl phosphate, alkylated | EINECS: 273-065-8 | CLP | Aquatic Chronic 1; H410, Aquatic Acute 1; H400 |
| Phenolic Antioxidant | EINECS: 204-881-4 | CLP | Aquatic Acute 1; H400, Aquatic Chronic 1; H410 |

CLP: Regulation no. 1272/2008

The full text for all R-phrases and H-statements is displayed in section 16.

Section 4. First aid measures.

General information: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures:

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin contact: Wash with soap and water.



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| Ingestion: | Rinse mouth thoroughly. |
| 4.2 Most important symptoms and effects, both acute and delayed: | May cause skin and eye irritation. |
| 4.2 Indication of any immediate medical attention and special treatment needed: | Get medical attention if symptoms occur. |

Section 5. Fire fighting measures.

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| 5.1 Extinguishing media: | |
| Suitable extinguishing agents: | CO ₂ , fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable tensides added. |
| Unsuitable extinguishing agents: | Water with a full water jet. |
| 5.2 Special hazards arising from the substance or mixture: | During fire, gases hazardous to health may be formed. |
| 5.3 Advice for fire-fighters: | |
| Special fire fighting procedures: | Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains. |
| Special protective equipment for fire fighters: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |

Section 6. Accidental release measures.

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| 6.1 Personal precautions, protective equipment and emergency procedures: | In case of spills, beware of slippery floors and surfaces. |
| 6.2 Environmental precautions: | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e. g. by binding or oil barriers). Environmental manager must be informed of all major spillages. Do not allow to enter drainage system, surface or ground water. |
| 6.3 Methods and material for containment and cleaning up: | Absorb with liquid binding material such as sand, diatomite, acid binders, universal binders or sawdust. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk. |
| 6.4 Reference to other sections: | See section 8 of the SDS for Personal Protective Equipment. See section 7 for information on safe handling. See section 13 for information on disposal. |

Section 7. Handling and Storage.

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| 7.1 Precautions for safe handling: | Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation. |
| 7.2 Conditions for safe storage, including any incompatibilities: | Local regulations concerning handling and storage of water polluting products have to be followed. Prevent formation of aerosols. Do not heat up to temperatures close to the Flashpoint. |
| 7.3 Specific end use(s): | Not applicable |
| Storage Class: | 10, combustible liquids |

Section 8. Exposure controls/personal protection.

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| 8.1 Control parameters: | |
| Occupational exposure limits: | None of the components have assigned exposure limits. |
| 8.2 Exposure controls: | |
| Appropriate engineering controls: | Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |



Individual protection measures, such as personal protective equipment:

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| General information: | Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN Standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products. |
| Eye/face protection: | Safety glasses (EN 166) recommended during refilling. |
| Skin protection: | |
| Hand protection: | Material: Nitrile butyl rubber (NBR). Min. breakthrough time: ≥ 480 min. Recommended thickness of the material: $\geq 0,38$ mm Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| Other: | Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing. |
| Respiratory protection: | Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/aerosol. |
| Thermal hazards: | Not known |
| Hygiene measures: | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. |
| Environmental controls: | No data available |

Section 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties:

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| Appearance: | |
| Physical state: | Liquid |
| Form: | Liquid |
| Odour: | Characteristic |
| Colour: | Dark Brown |
| Odour threshold: | Not applicable for mixtures |
| pH: | Not applicable |
| Freezing point: | Not applicable for mixtures |
| Boiling point: | Value not relevant for classification |
| Flashpoint: | 220°C |
| Evaporation rate: | Not applicable for mixtures |
| Flammability (solid, gas): | Value not relevant for classification |
| Flammability limit (lower, upper): | Not applicable for mixtures |
| Vapour pressure: | Not applicable for mixtures |
| Vapour density (air=1): | Not applicable for mixtures |
| Density at 15°C: | 0,94 g/ml (DIN EN ISO 12185) |
| Solubility(ies): | |
| Solubility in water: | Insoluble in water |
| Solubility (other): | No data available |
| Partition coefficient (n-octanol/water): | Not applicable for mixtures |
| Auto ignition temperature: | Value not relevant for classification |
| Decomposition temperature: | Value not relevant for classification |
| Kin. Viscosity at 40°C): | 125 mm ² /s (DIN 51659-2) |
| Explosive properties: | Value not relevant for classification |
| Oxidizing properties: | Value not relevant for classification |
| 9.2 Other information: | No data available |



Section 10. Stability and reactivity.

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| 10.1 Reactivity: | Stable under normal use conditions. |
| 10.2 Chemical stability: | Stable under normal use conditions. |
| 10.3 Possibility of hazardous reactions: | Stable under normal use conditions. |
| 10.4 Conditions to avoid. | Stable under normal use conditions. |
| 10.5 Incompatible materials: | Strong oxidizing substances, strong acids, strong bases. |
| 10.6 Hazardous decomposition products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |

Section 11. Toxicological information.

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| 11.1 Information on toxicological effects: | |
| Acute toxicity: | |
| Oral: | |
| Product: | Not classified for acute toxicity based on available data |
| Specified substance(s): | Triaryl phosphate, alkylated: LD 50 (Rat): > 5.000 mg/kg Phenolic Antioxidant: LD 50 (Rat): 2.930 mg/kg (OECD 401) |
| Dermal: | |
| Product: | Not classified for acute toxicity based on available data |
| Specified substance(s): | Triaryl phosphate, alkylated: LD 50 (Rat): > 2.001 mg/kg Phenolic Antioxidant: LD 50 (Rat): > 5.000 mg/kg (OECD 402) |
| Inhalation: | |
| Product: | Not classified for acute toxicity based on available data |
| Skin corrosion/irritation: | |
| Product: | Based on available data, the classification criteria are not met |
| Serious eye damage/eye irritation: | |
| Product: | Based on available data, the classification criteria are not met |
| Respiratory or skin sensitization: | |
| Product: | Skin sensitizer: Based on available data, the classification criteria are not met Respiratory sensitizer: Based on available data, the classification criteria are not met |
| Specified substance(s): | Phenolic Antioxidant: No sensitizing effect (guinea pig): OECD 406 |
| Germ cell mutagenicity: | |
| Product: | Based on available data, the classification criteria are not met |
| Carcinogenicity: | |
| Product: | Based on available data, the classification criteria are not met |
| Reproductive toxicity: | |
| Product: | Based on available data, the classification criteria are not met |
| Specific target organ toxicity – single exposure: | |
| Product: | Based on available data, the classification criteria are not met |
| Specific target organ toxicity – repeated exposure: | |
| Product: | Based on available data, the classification criteria are not met |
| Aspiration hazard: | |
| Product: | Based on available data, the classification criteria are not met |
| Other adverse effects: | No data available |

Section 12. Ecological information.

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| 12.1 Toxicity: | |
| Acute toxicity: | |
| Product: | Based on available data, the classification criteria are not met |
| Fish: | |
| Specified substance(s): | Triaryl phosphate, alkylated: LC 50 (Fish, 96 h): 0,8 mg/l Phenolic Antioxidant: LC 50 (Fish, 96 h): > 0,57 mg/l (OECD 203) |
| Aquatic invertebrates: | |
| Product: | No data available |
| Specified substance(s): | Triaryl phosphate, alkylated: EC 50 (Water flea, 48 h): 0,202 mg/l Phenolic Antioxidant: EC 50 (Water flea, 48 h): > 0,17 mg/l |



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| Chronic toxicity: Product: | Based on available data, the classification criteria are not met |
| Aquatic invertebrates: Specified substance(s): | Phenolic Antioxidant: NOEC (Water flea, 21 d): > 0,39 mg/l |
| Toxicity to aquatic plants: Specified substance(s): | Phenolic Antioxidant: EC 50 (Alga, 72 h): > 0,42 mg/l |
| 12.2 Persistence and degradability: Biodegradation: Product: | Based on available data, the classification criteria are not met |
| Specified substance(s): | Phenolic Antioxidant: 30% (OECD 302C) |
| 12.3 Bioaccumulative potential: Product: | Not applicable for mixtures |
| Specified substance(s): | Phenolic Antioxidant: May be accumulated in organisms |
| 12.4 Mobility in soil: Product: | Not applicable for mixtures |
| 12.5 Results of PBT and vPvB assessment: | The product does not contain any substances fulfilling the PBT/vPvB criteria. |
| 12.6 Other adverse effects: | Harmful to aquatic life with long lasting effects. |
| Water hazard class (WGK): | WGK 1: slightly water-endangering |

Section 13. Disposal considerations.

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| 13. 1Waste treatment methods: General information: | Dispose in accordance with all applicable regulations. |
| Disposal methods: | Discharge, treatment or disposal may be subject to national, state or local laws. |
| European Waste Codes: | |
| Used product: | 12 01 07* mineral based machining oils free of halogens (except emulsions and solutions) |

Section 14. Transport information.

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| ADR/RID: | Non-dangerous goods |
| AND: | Non-dangerous goods |
| IMDG: | Non-dangerous goods |
| IATA: | Non-dangerous goods |
| 14.7Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-Code: | Not applicable |

Section 15. Regulatory information.

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| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: EU Regulations: Regulation (EC) No. 2037/2000 substances that deplete the ozone layer: | None |
| Regulation (EC) No. 850/2004 on persistent organic pollutants: | None |
| 15.2 Chemical safety assessment: | No chemical safety assessment has been carried out. |

Section 16. Other information.

This information relates only to the specific product and may not be valid if the product is used in combination with any other material or in any process. The informations in this sheet are according to our best knowledge at the date of printing.



Wording of the R-phrases and H-statements in section 2 and 3:

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|------|--|
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H412 | harmful to aquatic life with long lasting effects |

Changes: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 16