

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

FINOFOL HARD Adapta Foils

Item numbers: 20533

**Further trade names**

ETHYLENE/PROPYLENE COPOLYMER

Product group:

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

For making casting copings.

**Uses advised against**

No further relevant information available.

**1.3. Details of the supplier of the safety data sheet**

Company name: FINO GmbH

Street: Mangelsfeld 18

Place: D-97708 Bad Bocklet

Telephone: +49-97 08-90 94 20

e-mail: info@fino.com

Telefax: +49-97 08-90 94 21

Internet: www.fino.com

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

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

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Void

**Special labelling of certain mixtures**

none

**Additional advice on labelling**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

The substance is classified as not hazardous according to Directive 67/548/EEC.

**2.3. Other hazards**

No risks worthy of mention.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Polyethylene

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

No special measures are necessary.

**After inhalation**

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Provide fresh air.

Seek medical attention if problems persist.

**After contact with skin**

The product is not skin irritating.

After contact with molten product, cool skin area rapidly with cold water.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

**After ingestion**

Seek medical attention if problems persist.

**4.2. Most important symptoms and effects, both acute and delayed**

No effects known.

**4.3. Indication of any immediate medical attention and special treatment needed**

If decomposition products are inhaled the following symptoms can occur: First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder

In case of major fire and large quantities: Water spray jet, alcohol resistant foam

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3. Advice for firefighters**

No special measures are necessary.

**Additional information**

none

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

No special measures are necessary.

Avoid contact with eyes.

**6.2. Environmental precautions**

Do not allow to enter sewers/surface or ground water.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically.

**6.4. Reference to other sections**

No dangerous materials are released.

Safe handling: see section 7

Personal protection equipment: see section 8

Treat the recovered material as prescribed in the section on waste disposal. Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

When using do not eat, drink or smoke.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Further information on handling**

No further relevant information available.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Protect from moisture. Avoid contact with water.

Protect from sunlight.

Keep container tightly closed.

**Hints on joint storage**

Not required.

**Further information on storage conditions**

none

Betriebssicherheitsverordnung (BetrSichV) ---

**7.3. Specific end use(s)**

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

To date, no national critical limit values exist. The lists valid during the making were used as basis.

### 8.2. Exposure controls

#### Appropriate engineering controls

See section 7. No additional measures necessary.

#### Protective and hygiene measures

The usual precautionary measures are to be adhered to when handling chemicals.

Caution! Hot molten mass. Avoid contact with eyes and skin.

Wash hands before breaks and after work.

#### Eye/face protection

Wear goggles when chipping the material.

#### Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

material type

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Breakthrough time:

The required protective gloves have to be specified by the glove material and the penetration time of the glove material depending on strength and duration of dermal exposition.

#### Skin protection

Common occupational clothing.

#### Respiratory protection

Ensure good ventilation / exhaustion at the workplace.

#### Environmental exposure controls

No further relevant information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	colourless
Odour:	odourless

#### Test method

pH-Value:	not applicable
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#### Changes in the physical state

Melting point:	160 °C
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Boiling point or initial boiling point and boiling range:	not determined
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Softening point:	not applicable
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Pour point:	NBN 52014
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Flash point:	> 330 °C
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Sustaining combustion:	Not sustaining combustion
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#### Flammability

Solid:	No ignition
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Gas:	not applicable
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#### Explosive properties

not explosive.

Lower explosion limits:	---
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Upper explosion limits:	---
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Auto-ignition temperature: &gt; 360 °C

**Self-ignition temperature**

Solid:

Product is not selfigniting.

Decomposition temperature: &gt; 300 °C

Vapour pressure: not applicable  
(at 20 °C)

Density (at 20 °C): 0,9 g/cm<sup>3</sup>

Water solubility: The study does not need to be conducted  
because the substance is known to be insoluble  
in water.

**Solubility in other solvents**

not applicable

Partition coefficient n-octanol/water: not applicable

Viscosity / dynamic: not applicable

Relative vapour density: not applicable

Evaporation rate: not applicable

Solvent content: Organic solvents: -, %

**9.2. Other information**

Solid content: 100

**SECTION 10: Stability and reactivity**
**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Do not overheat the product to avoid pyrolysis. 300 °C

**10.5. Incompatible materials**

No specific if used according to specifications.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Carbon monoxide, Carbon dioxide, carbon black

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity**

Based on available data, the classification criteria are not met.

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**

Toxicological data are not available.

**Additional information on tests**

Based on our experiences and information the product does not cause harmful health effects if handled according to specifications and used according to indications.

**Practical experience**
**Observations relevant to classification**

No special references.

**Other observations**

No special precautionary measures.

**SECTION 12: Ecological information**
**12.1. Toxicity**

Due to the consistency and the insolubility of the product water a bioavailability is unlikely.

**12.2. Persistence and degradability**

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**12.4. Mobility in soil**

Due to the product's consistency dispersion into the environment is not possible.

**12.5. Results of PBT and vPvB assessment**

This substance does not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

No effects known.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

**List of Wastes Code - residues/unused products**

200139 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); Plastics

**List of Wastes Code - used product**

200139 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); Plastics

**Contaminated packaging**

Non-contaminated packaging can be supplied to a recycling system.

**SECTION 14: Transport information**
**Land transport (ADR/RID)**

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|--|--|
| <b>14.1. UN number:</b>                  | UN 0000  |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Inland waterways transport (ADN)**

- |  |  |
|--|--|
| <b>14.1. UN number:</b>                  | UN 0000  |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Marine transport (IMDG)**

- |                         |         |
|-------------------------|---------|
| <b>14.1. UN number:</b> | UN 0000 |
|-------------------------|---------|

<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number:</b>	UN 0000
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.
<b>14.5. Environmental hazards</b>	
ENVIRONMENTALLY HAZARDOUS:	No
<b>14.6. Special precautions for user</b>	No special measures are necessary.
<b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>	This information is not available.

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**EU regulatory information**

2004/42/EC (VOC):	no classification
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)
Additional information:	0

**Additional information**

No label required according to 1999/45/EC, annex V B, No. 9.

**National regulatory information**

Water hazard class (D):	1 - slightly hazardous to water
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**Additional information**

Betriebssicherheitsverordnung (BetrSichV) ---  
Observe in addition any national regulations!

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**
**Changes**

This data sheet contains changes from the previous version in section(s): 2.

\* Data changed compared with the previous version

**Abbreviations and acronyms**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*