

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

FINOFOL Adapta Foils

REF 20526

Further trade names

POLYPROPYLENE

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

Plastic articles

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	Telefax: +49-97 08-90 94 21
e-mail:	info@fino.com	Internet: www.fino.com
Contact person:	Joachim Mahlmeister	Telephone: +49-97 08-90 94 20
e-mail:	info@fino.com	
Responsible Department:	This number can only be reached during our office hours, Monday to Friday from 8 a.m. to 5 p.m.	

1.4. Emergency telephone number:

+49-89-1 92 40
POISON CENTER München
24 hour(s) 7 day(s)

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

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

2.2. Label elements**GB CLP Regulation****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**

Preparation from the polypropylene.

Hazardous components

none (according to UK REACH Regulation)

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

No special measures are necessary.

First aider: Pay attention to self-protection!

After inhalation

Do not breathe dust.

Dust should be exhausted directly at the point of origin.

Inhalation of dust may cause irritation of the respiratory system.

After contact with skin

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

Immerse in cold water for a prolonged period. Burns caused by molten material must be treated clinically.

Irritating to skin. slightly irritant

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

In case of troubles or persistent symptoms, consult an ophthalmologist. Irritating to eyes. Dust protection eye glasses

After ingestion

No special measures are necessary.

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

No information available.

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

Extinguishing powder, Carbon dioxide, alcohol resistant foam, Water mist

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Sulphur dioxide (SO₂), Formaldehyde, Carbon dioxide (CO₂), Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

Additional information

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****General advice**

No special measures are necessary.

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

Other information

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

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**

Avoid dust formation.

Dust must be exhausted directly at the point of origin.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Keep away from heat.

Advice on general occupational hygiene

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

When using do not eat, drink, smoke, sniff.

Wash hands before breaks and after work.

Remove contaminated, saturated clothing immediately.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Further information on handling

Use extractor hood (laboratory). Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

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

Technical measures and storage conditions

No special technical protective measures are necessary.

Packaging materials:

Keep/Store only in original container.

Requirements for storage rooms and vessels

Store in a dry place.

Hints on joint storage

Conditions to avoid: UV-radiation/sunlight

Further information on storage conditions

Always close containers tightly after the removal of product. Store at room temperature.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls**Appropriate engineering controls**

See section 7. No additional measures necessary.

Individual protection measures, such as personal protective equipment

Eye/face protection

Dust protection eye glasses

Hand protection

See section 7. No additional measures necessary.

Skin protection

Body protection: not required.

Respiratory protection

If used according to specifications no particular measures are required. Respiratory protection not required.

Technical ventilation of workplace

Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	colourless
Odour:	characteristic

Test method
Changes in the physical state

Melting point/freezing point:	94 °C
Boiling point or initial boiling point and boiling range:	not determined DIN 53171
Softening point:	not applicable
Flash point:	> 350 °C

Flammability

Solid/liquid:	not determined
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Explosive properties

not explosive according to EU A.14

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Auto-ignition temperature:	360 °C

Self-ignition temperature

Solid:	400 °C
Decomposition temperature:	> 260 °C
pH-Value:	not applicable
Viscosity / dynamic:	not applicable

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

not applicable

Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not applicable
Density (at 20 °C):	0,92 g/cm ³
Bulk density:	not determined
Relative vapour density:	not applicable

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion: No data available
Oxidizing properties
not determined

Other safety characteristics

Solvent separation test: not applicable
Solvent content: Organic solvents: -, %
Solid content: 100 %
Evaporation rate: not applicable

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

No risks worthy of mention. No data available.

10.2. Chemical stability

No information available. Reacts with : Solvents/Thinner Etchant and acids

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

UV-radiation/sunlight

10.5. Incompatible materials

Acid, Bases

10.6. Hazardous decomposition products

Hydrocarbons, Carbon dioxide (CO₂), aldehydes, Carbon monoxide

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****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.

Irritant effect on the skin: In the case of the formation of dust.

Irritant effect on the eye: Irritating to eyes. In the case of the formation of dust.

Irritation to respiratory tract: Inhalation of dust may cause irritation of the respiratory system.

Corrosion: none

Sensitising effects

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

No sensitizing effect known.

Carcinogenic/mutagenic/toxic effects for reproduction

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

No additional indications for carcinogenic or mutagenic impacts and effects toxic for reproduction.

none Evidence for human carcinogenicity.

No indications of human germ cell mutagenicity exist.

Reproductive toxicity:

No indications of human reproductive toxicity exist.

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

No information available.

11.2. Information on other hazards**Other information**

No information available.

Further information

No information available.

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

"This mixture does not contain further substances fulfilling the criteria of hazard class ""acute toxicity"" according to CLP regulation."

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

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

non-hazardous to water

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

Dispose of waste according to applicable legislation.

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

List of Wastes Code - contaminated packaging

150101 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

Contaminated packaging

Dispose of waste according to applicable legislation.

Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)".

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

14.1. UN number or ID number: UN 0000
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 0000
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: UN 0000
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 0000
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

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 specific information.

National regulatory information

Water hazard class (D): - - non-hazardous to water

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

* 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 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. 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.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Auxiliary for dental technology	PW	20	0	0	4	0	94	100

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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