

SAFETY DATA SHEET 87

LAMINA FOIL

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name LAMINA FOIL

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

Description/Application Laminated foil in polypropylene

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number

For urgent inquiries refer to SANITARY EMERGENCY

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product is classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations). The product thus requires a safety data sheet that complies with the provisions of Regulation (EC) n. 1907/2006 and subsequent amendments. Further information on the risks to health and/or the environment are given in sec. 11 and 12 of this sheet.

Hazard classification and indication:

2.2 Label elements

Danger labeling under Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Pictograms of danger: -

Warnings: -

Hazard: -

Safety advice: -

2.3 Other dangers

Based on available data, the product does not contain any PBT or vPvB substances as more than 0,1%

LAMINA FOIL

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Polyester film with metallized lacquer coating (Al).

3.2 Mixtures

Polyester: polyethylene terephthalate approx. 12 µm.

4 FIRST AID MEASURES

4.1 Description of first aid measures

No particular procedures necessary when used appropriately.

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

Dust can cause itching, scratching or dryness of the skin, respiratory tract and/or eyes.

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

None in particular.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Water, foam, extinguishing powder and carbon dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture

When burned the following substances may be developed: Carbon dioxide (CO₂), carbon monoxide (CO), traces of nitrogen oxides (NO_x), hydrogen chloride (HCl) and acetic acid.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit.

Risk of explosion in the case of an electrostatic charge of the product in the presence of solvent vapours or dust.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

None in particular.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. 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

None in particular.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

LAMINA FOIL**7 HANDLING AND STORAGE****7.1 Precautions for safe handling**

No special precautionary measures are necessary. Observe the general instructions on industrial work hygiene. Electrostatic charges can be developed on the film. This may cause an explosion on the presence of solvent vapours or product dusts. Process product only on well ventilated rooms.

7.2 Conditions for safe storage, including any incompatibilities

Store product at ambient temperature, avoid heat from direct sunlight and extremes of humidity.

7.3 Specific end use(s)

Information not available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

No occupational exposure limit available.

8.2 Exposure controls

OCCUPATIONAL EXPOSURE CONTROLS

Suck off product dust that may be generated directly at the place of origin.

PROTECTIVE AND HYGIENE MEASURES

Observe general protection and hygiene measures. Wash hands and face with soap and water after handling and especially before eating or smoking. Avoid breathing the dust.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	liquid
Colour	silver, gold, bronz, brass, multicolor
Odour	characteristic
Odour threshold	Not available
pH	Not available
Melting point / freezing point	>220 °C
Initial boiling point	100 °C
Boiling range	Not available
Flash point	>300 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	>1,3 g/cm ³
Solubility	Pratically insoluble in water (at 20 °C)
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information not available

LAMINA FOIL

10 STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reaction when used appropriately.

10.2 Chemical stability

No hazardous reaction when used appropriately.

10.3 Possibility of hazardous reactions

No hazardous reaction when used appropriately.

10.4 Conditions to avoid

Information not available.

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

See section 5.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

a) acute toxicity

Harmful effects due to exposure to the product are not known.

b) skin corrosion/irritation

Harmful effects due to exposure to the product are not known.

c) serious eye damage/irritation

Harmful effects due to exposure to the product are not known.

d) respiratory or skin sensitisation

Harmful effects due to exposure to the product are not known.

e) germ cell mutagenicity

Harmful effects due to exposure to the product are not known.

f) carcinogenicity

Harmful effects due to exposure to the product are not known.

g) reproductive toxicity

Harmful effects due to exposure to the product are not known.

h) STOT-single exposure

Harmful effects due to exposure to the product are not known.

i) STOT-repeated exposure

Harmful effects due to exposure to the product are not known.

j) aspiration hazard

Harmful effects due to exposure to the product are not known.

LAMINA FOIL

12 ECOLOGICAL INFORMATION

12.1 Toxicity

The product presents no risk worth mentioning for the environment.

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.6 Other adverse effects

Information not available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material can be correctly burned in a suitable incinerator in accordance with local regulations .

Packaging materials like carton and film can be recycled.

14 TRANSPORT INFORMATION

14.1 ONU number

Not applicable.

14.2 ONU shipping name

Not applicable.

14.3 Hazard classes connected to shipping

Not applicable.

14.4 Packaging group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for users

Not applicable.

14.7 Shipping of bulk according to MARPOL 73/78 annex and the IBC code

No relevant information.

15 REGULATORY INFORMATION

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

This product is not a hazardous substance or preparation according to the EC directives 67/548/EEC, 1999/45/EC and EC regulation 1272/2008 (GHS).

15.2 Chemical safety assessment

Water contaminating class (D): - - not water contaminating

LAMINA FOIL

16 OTHER INFORMATIONS

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website

LAMINA FOIL

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version.

Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.

The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

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