



Material information sheet Nova Collection

nova Phthalate
free

Composition / Information on ingredients

Chemical characterization:

The article is based on polyvinyl chloride, plasticizer (DOTP) and additives.

DOTP: bis (2-ethylhexyl) tereftalaat, CAS-nr: 6422-86-2

REACH relevant information (in accordance with art. 33 of the REACH regulation):

The article contains no substances included on the candidate list (status 15 January 2018).

Physical properties

	solid film
Odour:	slight and typical characteristic odour
Explosive limits:	none, see par. 7
Density (23°C):	about 1,3 / 1.5 gr/cm ³
Solubility in water:	Practically not soluble
Further details:	none

Hazards identification

Description of hazards: No hazards under normal conditions of use.

First-Aid measures

In general: no need for particular precautionary measures.

Fire fighting measures

Suitable extinguisher means: Water, foam, CO₂ and dry extinguishing agents

Special hazards: Under fire conditions, fumes can contain carbon monoxide (CO), carbon dioxide (CO₂), water vapour and hydrogen chloride (HCl). Explosive mixtures can arise due to decomposition.

Personal protective equipment: In case of fire, a breathing protection with combination filter ABEK-CO NO and rubber boots are to be worn. In case of high concentration of fumes, a self-contained breathing apparatus is to be used.

Accidental release measures

Not applicable for such articles.



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Handling and storage

Technical protective measures: No need for particular precautionary measures under normal condition of use.

Protection against fire and explosion: General regulations for preventative protection are recommended. Under unfavourable circumstances, especially in case of low relative humidity, a static electricity charge of the film can arise during unwinding.

Storage: In order to keep the properties of the film, it's advised to store it cool and dry in closed rooms. Do not expose directly to sun radiation and heat sources.
The film is resistant to higher temperatures but preferably not stored over 30°C or below 10°C.

Exposure controls / Personal protection

Technical measures: Measures against static electricity are to be taken (see; "handling and storage"). During thermal processing sufficient ventilation should be provided.

Personnel protective equipment: Not necessary.

Skin protection: Dermatologic and allergenic reactions, sensitivity and irritation are not known.

Eye protection: Not necessary.

Industrial hygiene measures: No need for particular precautionary measures.

Stability and reactivity

Dangerous reactions: None

Thermal decomposition: None, under normal conditions of use. In not suitable processing conditions, a thermal decomposition cannot be excluded.
Thermal decomposition may produce carbon monoxide, carbon dioxide, nitrogen oxides and flammable mixtures.

Further details: None

Toxicological information

According to present knowledge, no harmful effects are known at adequate use of the product.



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Ecological information

Under normal conditions of use, no negative effects on the environment and no hazards have been reported.

Recycling: Recycling of the film is possible.

Disposal:

- **Film:** can be disposed with household waste, if in compliance with local or state laws and regulations.
- **Packaging:** can be disposed with household waste, if in compliance with local or state laws and regulations.

Regulatory information

Labelling:

- Labelling according to EC-regulation: no labelling is necessary.
- Labelling according to hazardous material regulation: no labelling is necessary.
- Water hazard classification: not water hazardous.

Other regulations, limitations: None

Transport information: No dangerous goods according to transport regulations.

The material is conform to the:

- Regulation (EC) no. 1907/2006 (REACH),
- European Toy Norm NEN-EN 71-3, NEN-EN 71-9,
- European Directive 94/62/EC on packaging and packaging waste,
- The Packaging Regulations 1998 No.1165 (UK),
- Directive 2002/95/EC (RoHS), repealed by Directive 2011/65/EU.

This foil can be used in toys and childcare articles which can be placed in the mouth by children.

Recommended uses, restrictions

Unless otherwise stated, this sheet applies for sheeting in unshaped condition.

This information is based on our present knowledge and our experience with the product but is in no way exhausting. She deals with the product in the state as described in the specifications. In case of combination or mixing with other products from case to case it has to be investigated whether no new risks are introduced.

No case excepted, the user of the product is obliged to follow local laws and regulations with respect to working place hygiene and protection.

The details within this document do not have the meaning of property assurances. For warranties and liabilities our general terms of delivery and sales conditions are valid.