

Product Information

TEGO® Sorb PY 50 PE

PRODUCT DESCRIPTION

TEGO® Sorb PY 50 PE and TEGO® Sorb PY 50 PP are masterbatches based on polyethylene (PE) and polypropylene (PP), respectively. The active component is zinc ricinoleate, which is working as an odour absorber according to the key and locker principle (not working with a flavour principle).

Typical Properties

Property	Unit	Value
Appearance		Pellets
20 °C		
Bulk Density	kg/m ³	530-570

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® Sorb PY 50 PE and PP are used against malodour in the production of masterbatches and compounds. Malodour during these processes may result from the use of certain pigments, the use of recycled polymers or from vulcanization (TPE-V).

TEGO® Sorb PY 50 PE and PP are even suitable for single screw applications. The products are used for cast and blown films made from recycled polyolefines.

BENEFITS & ADVANTAGES

- Their excellent odour absorbing properties (it is no flavour such as vanilla) make TEGO® Sorb PY 50 PE and PP especially suitable for the effective control of odours evolving from products like hydrogen sulfide, mercaptane, thioether, isovaleric acid, amines and ammonia
- TEGO® Sorb PY 50 PE and TEGO® Sorb PY 50 PP were developed since the direct use of the 100% active TEGO® Sorb PY 88 TQ in film lines with single screws is not recommended resulting in inhomogeneous distribution, holes or pressure peaks
- TEGO® Sorb PY 50 PE and TEGO® Sorb PY 50 PP enable precise dosing even for very small dosages

DOSAGE

The optimum dosage of TEGO® Sorb PY 50 PE and PP depends on the specific formulation and on the required performance. In general, a dosage between 3% and 10% is recommended (try 6% for a first trial).

HANDLING & PROCESSING

TEGO® Sorb PY 50 PE and PP can be easily dry blended before compounding or directly fed on the single or double screw extrusion line.

PACKAGING

25 kg net in a cardboard box with PE inliner

600 kg net (24 x 25 kg)

SHELF LIFE

TEGO® Sorb PY 50 PE and PP as delivered can be stored in closed bags for 18 months.

HAZARDOUS SUBSTANCE

Information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

REGISTRATION LISTING SUMMARY

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Sorb® PY 50 PE and PP are compliant with EC Regulation 1907/2006 (REACH).

The relevant components of TEGO® Sorb® PY 50 PE and PP are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
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Australia (AIC)	Yes
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China (IECSC)	Yes
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EU (REACH)	Yes
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EU (EINECS/ELINCS)	Yes
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Japan (ENCS)	Yes
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South Korea (KECL)	Yes
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New Zealand (NZIoC)	Yes
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Philippines (PICCS)	Yes
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Taiwan (TCSI)	Yes
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Registration Listings

Registry	Status
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USA (TSCA)	Yes
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FOOD CONTACT COMPLIANCE

European Regulation 10/2011 and amendments TEGO® Sorb PY 50 PE and PP can be used in accordance to the European Regulation 10/2011.

FDA

TEGO® Sorb PY 50 PE and TEGO® Sorb PY 50 PP can be used in compliance with FDA 21 CFR 177.1520 (olefin polymers) with a maximum dosage of 10%.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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