

## Product Information

## TEGO® Sorb PY 88 TQ

## PRODUCT DESCRIPTION

TEGO® Sorb PY 88 TQ is a zinc ricinoleate used as odor absorber with a key and locker principle. It is not working with a flavour principle.

## Typical Properties

Property	Unit	Value
<b>Appearance</b> 20 °C		pale yellow pellets
<b>Melting Point</b>	°C	88
<b>pH Value</b> 1% in IPA/Water		5.5-7.5

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

TEGO® Sorb PY 88 TQ is used for the production of masterbatches and compounds.

## BENEFITS &amp; ADVANTAGES

- Excellent odor absorbing properties (it is no flavour such as vanilla) makes TEGO® Sorb PY 88 TQ especially suitable for the effective control of odours evolving from products like hydrogen sulfide, mercaptane, thioether, isovaleric acid, amines and ammonia
- Good heat stability in the compounding process. Compatibility with other chemicals has to be checked for each particular case and application
- Especially suitable for polyolefins (e. g. LDPE, PP), rubber compounds (e. g. vulcanized TPE-V or EPDM) and recycled material (e.g. PA, polyolefins and rubber)
- Reduces odor during dispersing of ultramarines (UB), yellow pigments and oxidized carbon blacks
- For special SBR rubber emulsions or acrylates with mal-odor an aqueous formulation of TEGO® Sorb PY 88 TQ is available

## DOSAGE

Dosage depends on the application and specific formulation in use as well as on the required performance. The

recommended dosage is 0.5% to 2.0% of TEGO Sorb® PY 88 TQ. A dosage of 1% is often ideal.

TEGO® Sorb PY 88 TQ is used in color masterbatches typically with 1% in combination with pigments, e.g. 50% UB in PP with 1% TEGO® Sorb PY 88 TQ or 10% UB in PET with 1% TEGO® Sorb PY 88 TQ.

TEGO® Sorb PY 88 TQ is suitable to produce 10% masterbatches out of it in PE and PP. Exceeding that concentration is difficult and needs special screw and / or polymer selection. Usually 10% masterbatches will be used with 5-10% in the final application such as films.

## HANDLING &amp; PROCESSING

TEGO Sorb® PY 88 TQ can be easily dry blended before compounding or directly fed on the extrusion line. However, due to its melting point of 70°C the feeder should not get hot.

Direct use of the 100% active TEGO Sorb® PY 88 TQ in film lines with single screws is not recommended since it results in inhomogeneous distribution, holes or pressure peaks. Film manufacturers can receive a PE or PP based masterbatch from the Evonik portfolio.

## PACKAGING

25 kg bags

700 kg (28 x 25 kg) pallet

## SHELF LIFE

TEGO Sorb® PY 88 TQ as delivered can be stored in closed bags for 12 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 88 TQ is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of TEGO® Sorb PY 88 TQ are listed/registered or exempt in the following chemical inventories:

Registration Listings	
Registry	Status
Australia (AICIS)	Yes
China (IECSC)	Yes
EU (REACH)	Yes
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
Korea (KECL)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
United States of America (TSCA)	Yes

## FOOD CONTACT COMPLIANCE

European Regulation 10/2011 and amendments

TEGO® Sorb PY 88 TQ can be used in accordance to the European Regulation 10/2011.

Elastomer Guideline of the German UBA

The components of TEGO® Sorb PY 88 TQ are directly listed for their respective use in the updated positive list

(Annex 1 Part 1) of the Elastomer Guideline of the German UBA (MTCtap of 250 µg/l for Zn applies).

Therefore, we consider TEGO® Sorb PY 88 TQ suitable for applications in contact with drinking water according to the Elastomer Guideline.

BfR Recommendations

TEGO Sorb® PY 88 TQ may be used according to BfR Recommendation XXI 'Commodities based on natural and synthetic rubber', Annex, Table 1, as processing aid for applications according to BfR XXI/1 and XXI/2. The sum migration guide value SMR(T) of 25mg/kg, calculated as Zn, applies.

FDA

TEGO® Sorb PY 88 TQ can be used in compliance with FDA 21 CFR 177.1520 (olefin polymers) with a maximum dosage of 2%.

TEGO® Sorb PY 88 TQ may be used in compliance with 21CFR 175.105.

Furthermore TEGO Sorb® PY 88 TQ is listed in 21CFR175.300 as drier.

TEGO® Sorb PY 88 TQ may be used in compliance with 21 CFR 177.2600 up to a maximum level of 5% in the finished food contact article.

### Disclaimer

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