

TECHNICAL DATA SHEET

NATURAL RUBBER LATEX CONCENTRATE : LATZ Low Ammonia NR Latex concentrate with secondary stabilizers

Version 19-05-2020

Version No 08/EN

Properties	Unit	Specification	Typical Properties	Method
Total solids content [TSC]	%, min.	61,0	61,0 - 61,6	ISO 124
Dry rubber content [DRC]	%, min.	60,0	60,0 – 60,3	ISO 126
Non-rubber solids [NRS]	%, max.	1,7	1,2 – 1,7	
Alkalinity (as NH ₃) on latex concentrate	%, max.	0,29	0,22 – 0,29	ISO 125
Mechanical stability [MST]	seconds, min.	650	650 – 1200	ISO 35
Coagulum content	%, max.	0,03	61,0	ISO 706
Copper content of total solids	mg/kg, max.	8	< 8	ISO 8053
Manganese content of total solids	mg/kg, max.	8	< 8	ISO 7780
Sludge content	%, max.	0,10	<0,1	ISO 2005
Volatile fatty acid number [VFA]	max.	0,06*	0,02 – 0,1	ISO 506
KOH number	max.	0,70*	0,4 – 0,9	ISO 127
pH		not specified	9,7 – 10,4	

according to ISO 2004:2017

LATZ is a centrifuged concentrate of natural rubber latex stabilized with a lower level of ammonia than the HA (“high ammonia”) grade. A slightly lower pH value resulting from this.

Packaging

- Flexitank: ~ 21,5 tons (also flexibags as alternative to ISO tank containers delivered in a 20ft container, empty flexitank, steel bars and cardboard needs disposal after unloading)
- Tank truck: ~ 24 tons
- IBC: ~ 940kg (dimensions 120cm long x 110cm wide x 116 cm high)
- Drum: ~ 205kg net 222kg gross from steal/plastic (approximate size 90cmhigh x 60 cm diameter)
- Canister: as per your requirement

Storage

Protect from freezing, temperature 7 - 30°C. Store in a dry place, protected from UV light and oxygen in a well-sealed container.

Handling

Handle with good industrial hygiene and safety practice. Wear protection gloves and avoid contact with skin. Use in well ventilated area only. Be prepared for the strong ammonia odor. Avoid release to the environment. For further information on safe handling please review our corresponding SDS.

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Additional Product Information

Low Ammonia NR Latex concentrate with secondary stabilizer

Usage

During storage rubber particles cream at the surface. Before usage and minimum every 3 weeks during storage, the latex should be re-dispersed by slow agitation. Drums can be rolled in sealed conditions, while IBC should be stirred. For stirring, we recommend a perforated agitator for even dispersion. Close containers immediately after stirring. Ammonia is used to suppress bacterial action, evaporation should be avoided at any time. Do not expose airborne bacteria, contaminated surfaces to the latex. We recommend filtering through a max. 2000 micron sieve before usage.

Origins

Thailand, Malaysia, Vietnam, Indonesia, Cameroon, Guatemala

Shelf Life

Under good storage conditions the latex should be stable for at least 1 year.

REACH Regulation [Regulation Evaluation Authorisation of Chemicals]

Natural rubber latex in general is as polymer and natural product according to annex V paragraph 8 REACH regulations EG 1907/2006 exempt from the obligation to be registered. The material is not chemically modified but stabilized only, what exempts the stabilizer to be registered.

SVHC [Substances of Very High Concern]

Natural rubber latex does not contain any of the substances listed as SVHC or candidate.

ROHS [Restriction of Hazardous Substances Directive]

Natural rubber latex does not contain any of the following RoHS listed substances.

Lead (Pb), Mercury (Hg), Cadmium (Cd): Cadmium is used in electronic equipment, car batteries, and pigments, Hexavalent Chromium (Cr VI), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE).

Biocides

Thiram is commonly used as preservative for field latex. The regulation EC 528/2012 on the use of biocidal products, listed Thiram CAS 137-26-8 with entry number 206 as approved preservative for natural rubber latex (product type 9). There is no further authorization required for the use of natural latex preserved with Thiram as per biocidal regulation.

Food Contact Applications

Based on good manufacturing practice according to EC 1935/2004, tests on safe use for food contact applications are invariably delegated to the responsibility of the manufacturer of a food contact article, as the risk of production for the special application cannot be covered from our side.

With our professionally equipped latex laboratory located in Terneuzen, the Netherlands, we can execute all latex relevant tests. Please feel free to make use of our abilities and contact us with your special request.

The above is given in good faith, as per the best of our knowledge and believe, but without liability. As your individual application process is beyond our control, same as commingling, decanting, additional preserving or stabilizing of natural rubber latex, we cannot accept any liability under the conditions mentioned before. Freedom of copyright must not be assumed.