**Technical Data Sheet**

**June 2020**

### Composition fatty acids (%)

- **Stearic acid**: 3 – 5
- **Palmitic acid**: 5 – 7
- **C18: 2 Linoleic acid**: 14 – 20
- **C18: 1 Oleic acid**: 18 – 26
- **C18: 3 Linolenic acid**: 51 – 56

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**Description**

*Epoxidized Linseed oil* is a UVCB substance (vegetal origin) of variable composition, obtained by epoxidation of refined linseed oil.

**Performance**

*Epoxidized Linseed oil* acts as secondary plasticizer, plasticizing and stabilizing both the PVC and others thermoplastic chlorides compositions.

**Properties**

*Epoxidized Linseed oil* has the following properties: non-volatility, good resistance to extraction and non-migration by agents in aqueous medium and hydrocarbons.

*Epoxidized Linseed oil* it acts as a catcher of acidic groups, through the catalytic degradation produced by them, achieving the stabilization of the final product and conferring stability to light and heat.

*Epoxidized Linseed oil* has the property to produce a synergistic effect with primary plasticizer or polymeric and stabilizers for PVC, reducing the final cost-performance.

*Epoxidized Linseed oil* can be used together with primary and / or polymeric plasticizers, to optimize the final cost, due to its synergistic effect when combined with other stabilizers.

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**Legislation**

According to 10/2011 Regulation, article number 6, point 3 section c) and point 4 section b), it can be used as auxiliary when used as an additive for manufacturing polymeric substances, natural or synthetic, to be in contact with food, of molecular weight equal or higher than 1000. It fulfills FDA Nº 177.1210 (closures with sealing), 177.1650 (epoxy resins) and 178.3740 (plasticizer in polymeric substance). Besides it appears in TSCA (USA) list.

**REACH**

Register number 01-2119471482-38-0003

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**Application**

*Epoxidized Linseed oil* is used in many applications in the plastic processing industry, due to its action of plasticizer and stabilizer at the same time on PVC and other chlorinated thermoplastics, resisting extraction in aqueous medium and hydrocarbons. Good electrical properties.

**Dosage**

As stabilizer 5 – 7 % on resins
In hydrolysable products, 0.3% of epoxy oxygen over the total weight of the formula.

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**Packaging**

IBC of 1,000 kg and drums of 215 kg.