

Technical Data Sheet

Eastman™ DOA Plasticizer

Applications

- Caps & lids food contact

Product Description

Eastman™ DOA plasticizer (Bis(2-Ethylhexyl) Adipate) is a light colored, oily liquid generally used as a plasticizer for PVC. It can be used alone or blended with other plasticizers, such as DOP or DOTP. In PVC, Eastman™ DOA features flexibility at low temperatures, good electrical properties, good resistance to weathering, and good stability to heat. Eastman™ DOA is used to produce clear films for food packaging applications. In addition to PVC, Eastman™ DOA is compatible with nitrocellulose, ethyl cellulose, most synthetic rubbers, and high-butyryl cellulose acetate butyrates.

Typical Properties

| Property | Typical Value, Units |
|-------------------------------------|--------------------------|
| General | |
| Acidity (wt%) | 0.02 max. |
| Color Pt-Co | 10 max. |
| Refractive Index @ 25°C | 1.447 |
| Specific Gravity @ 20°C/20°C | 0.927 |
| Boiling Point | 783 °F (417 °C) |
| Flash Point Setaflash Closed Cup | 385 °F (196 °C) |
| Freezing Point | <-94 °F (<-70 °C) |
| Vapor Pressure @ 20°C | <0.0001 torr (<0.01 Pa) |
| Viscosity @ 25°C | 13 cP (13 mPa·s) |
| Wt/Vol @ 20°C | 7.71 lb/gal (0.924 kg/L) |

CHEMICAL INVENTORIES:

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

Philippines Inventory (PICCS): This product is listed on the Philippine Inventory or otherwise complies with PICCS.

Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

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