



PRODUCTOS



plastay.com

Ma. del Pilar de Restrepo

Ma. del Pilar Mejía de Restrepo
Traductora - Interprete Oficial
Resolución No. 958
Ministerio de Justicia
Tel. 311 538 73 84



Plastificante para Propósitos de Especialidad

Med-X

DEHP de Grado Médico

- **Med-X** está diseñado para satisfacer los requerimientos más estrictos para productos médicos.
- El proceso de producción de **Med-X** está cuidadosamente controlado para que cada parámetro llegue a un producto que ofrece calidad superior.

▪ **Especificación**

Propiedad	Método de Prueba	Valor
Estado Físico	-	Líquido
Apariencia	-	Transparente
Densidad (20°, g/cm ³)	ASTM D 1045	0,980-0,984
Contenido de Éster	Método GC+	≥ 99,5
Contenido de 2-etil exanol (ppm)	Método Local GC+	<10
Índice Refractivo (20°C)	ASTM D 1045	1,4825-1,4865
Viscosidad (20°C, cP)	ASTM D 1045	76 – 84
Punto de Inflamabilidad (Copa Abierta, °C)	ASTM D 92	≤ 205
Contenido de Agua (%)	ASTM D 1364-02	≤ 0,03
Solubilidad en Agua (20°C g/L)	-	≤ 0,003
Acidez (mg KOH/g)	ASTM D 1045	≤ 0,04
Color (Pt-Co)	ASTM D 1209	≤ 20

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Naturaleza Química: Bis (2-Etilhexilo) Ftalato

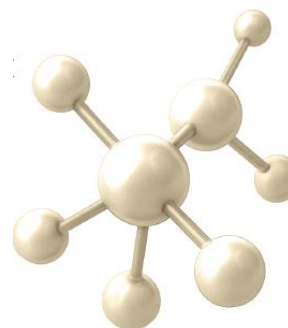
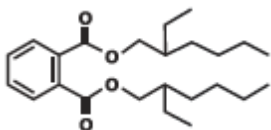
Abreviatura: DOP /DEHP (Grado Médico)

No. CAS: 117-81-7

Peso Molecular: 390,56

Fórmula: C₂₄H₃₈O₄

Estructura Molecular:



▪ **Certificados**

Med-X cumple con REACH.

El producto está registrado bajo la **Regulación REACH (EC) No. 1907/2006** a través de nuestro único Representante, RGS, para Bis(2-etilhexilo) ftalato, con una **banda** de tonelaje de **1000+toneladas / año**.



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Plastificante de Propósito General

Versafleks DOP

■ Características del Producto

- **Versafleks** es un ftalato de bajo peso molecular, Plastificante de Propósito General manufacturado usando el modo de producción de lotes.
- **Versafleks** se produce de acuerdo con nuestra propia tecnología, con cada parámetro del proceso monitoreado a lo largo del ciclo de producción, para llegar a un producto de alta calidad para los segmentos finales.
- Usamos Proveedores líderes de materia prima para garantizar la consistencia de las propiedades del producto en todo momento.

■ Aplicaciones



Tejidos
Recubiertos



Tuberías
Flexibles



Cables



Pisos



Adhesivos



Hogar

■ Especificación

Propiedad	Método de Prueba	Valor
Estado Físico	-	Líquido
Apariencia	-	Transparente
Densidad (20°, g/cm ³)	ASTM D 1045	0,980-0,984
Contenido de Éster	GC+Método Local	≥ 99,5

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María del Pilar Mejía de Restrepo

Traductora Oficial Resolución 958 del Ministerio de Justicia de Colombia

Traducción Oficial No: 314/25 del inglés al español fechada el 11 de diciembre de 2025

Propiedad	Método de Prueba	Valor
Índice Refractivo (20°C)	ASTM D 1045	1,4825-1,4865
Viscosidad (20°C, cP)	ASTM D 1045	76 – 84
Punto de Inflamabilidad (Copa Abierta, °C)	ASTM D 92	≤ 205
Contenido de Agua (%)	ASTM D 1364-02	≤ 0,05
Solubilidad en Agua (20°C g/L)	-	≤ 0,003
Acidez (mg KOH/g)	ASTM D 1045	≤ 0,07
Color (Pt-Co)	ASTM D 1209	≤ 30

Naturaleza Química: Bis (2-Etilhexilo) Ftalato

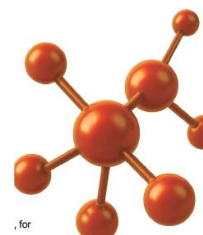
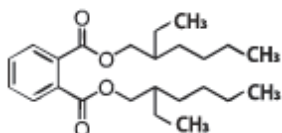
Abreviatura: DOP /DEHP

No. CAS: 117-81-7

Peso Molecular: 390,56

Fórmula: C₂₄H₃₈O₄

Estructura Molecular:



▪ **Certificados**

Versafleks cumple con **REACH**.

El producto está registrado bajo la **Regulación REACH (EC) No. 1907/2006** a través de nuestro único Representante, RGS, para Bis(2-etilhexilo) ftalato, con una **banda de tonelaje de 1000+toneladas / año**.



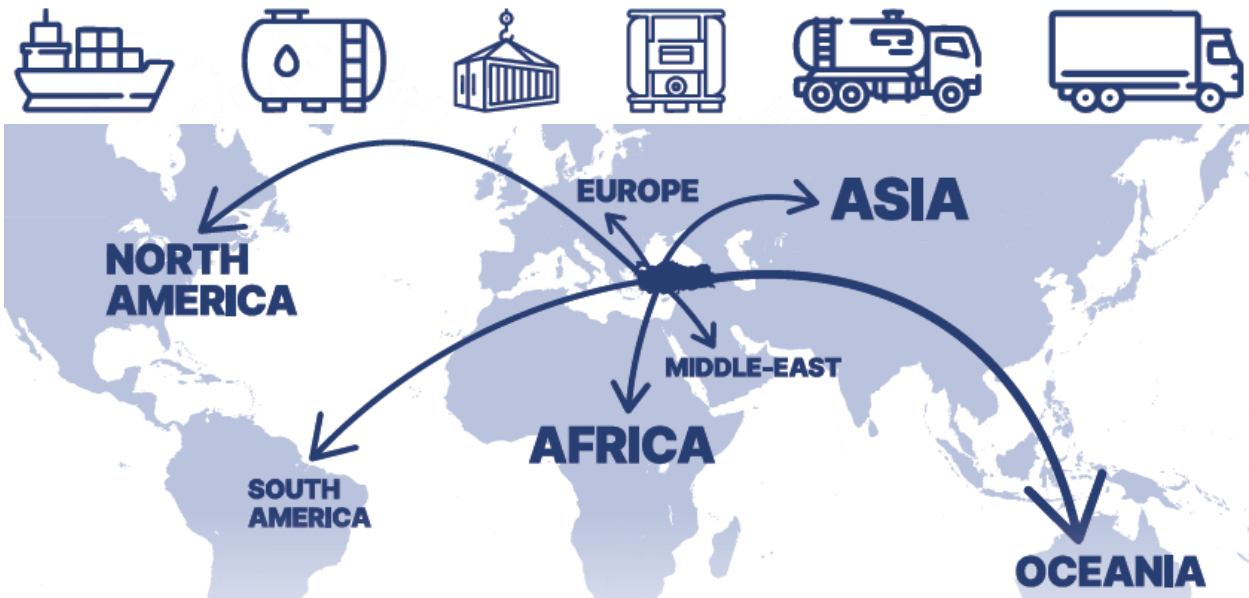
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Entregamos en:

Isotankers, Flexitankers (flexibolsas), IBCs, camiones (contenedores para tanques de carretera, a granel.



NOTA DE LA TRADUCTORA: María del Pilar Mejía de Restrepo, Traductora Oficial registrada ante el Ministerio de Relaciones Exteriores de Colombia, Resolución 958, que suscribe, declara que la presente Traducción Oficial, que consta de 7 páginas, es una versión fiel y correcta al español del documento adjunto, **Catálogo Plastay Kimya**, escrito en idioma inglés y que se ha tenido a la vista. Se certifica la fidelidad de la traducción, más

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María del Pilar Mejía de Restrepo

Traductora Oficial Resolución 958 del Ministerio de Justicia de Colombia
Traducción Oficial No: 314/25 del inglés al español fechada el 11 de diciembre de 2025

no se asume responsabilidad alguna por la autenticidad o el contenido del documento en su lengua de origen.

Firmado en Bogotá, D.C., a los 12 días del mes de diciembre de 2025.



María del Pilar Mejía de Restrepo
Traductora, Intérprete Oficial
Calle 118 No. 70 – 83, Interior 2
Tel: 6138689, Bogotá
Resolución No. 958 expedida por el
Ministerio de Justicia de Colombia

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PRODUCTS





Context

PVC Plasticizers

- Sunfleks DOTP
- Optafleks DOA
- Optafleks TOTM
- Optafleks Polymeric 50
- Med-X DOP
- Inafleks DINP
- Versafleks DOP

PVC Compounds

- Plastay Compounds Soft / Rigid

PVC Stabilizers

- Assafe Calcium-Zinc Based
- Asmix Lead Based



PVC Plasticizers

Sunfleks DOTP	Optafleks DOA	Optafleks TOTM	Optafleks Polymeric 50	Med-X Med DEHP	Inafleks DINP	Versafleks DOP
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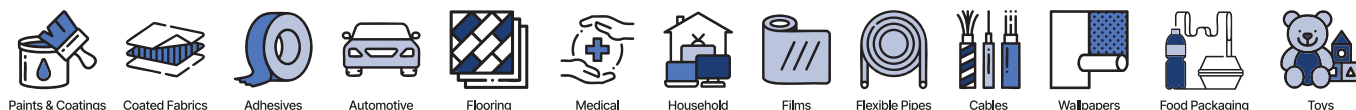
General Purpose Non-Phthalate Plasticizer

Sunfleks DOTP

Product Features

- **Sunfleks** is a versatile, efficient **Non-Phthalate**, General Purpose Plasticizer produced at our state of art facility, operated by **highly skilled staff**.
- **Sunfleks** is produced according to our own technology, with every process parameter monitored throughout of the production cycle, to arrive at a product providing **superior performance in all end applications**.

Applications



Specification

Property	Test Method	Value
Physical State	-	Liquid
Appearance	-	Transparent
Density (20°C, g/cm³)	ASTM D 1045	0,979-0,985
Ester Content (%)	GC-Home Method	≥ 99,5
Refractive Index (20°C)	ASTM D 1045	1,4830-1,4890
Viscosity (20°C, cP)	ASTM D 1045	80-95
Flash Point (Open Cup, °C)	ASTM D 92	≥210
Water Content (%)	ASTM D 1364-02	≤0,05
Boiling Point (°C)	-	383
Freezing Point (°C)	-	-48
Water Solubility (20°C g/L)	-	≤0,05
Acidity (mg KOH/g)	ASTM D 1045	≤0,10
Color (Pt-Co)	ASTM D 1209	≤20

Chemical Nature: Bis(2-Ethylhexyl) Terephthalate

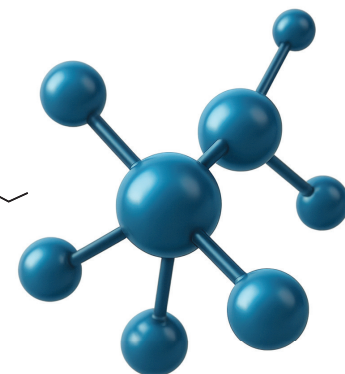
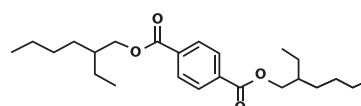
Abbreviation: DOTP / DEHT

CAS No: 6422-86-2

Molecular Weight: 391

Formula: C₂₄H₃₈O₄

Molecular Structure:



Certificates

Sunfleks complies with both **REACH** and **FDA** regulations.

The product is registered under the **REACH Regulation (EC) No. 1907/2006** through our Only Representative, RGS, for Bis(2-ethylhexyl) terephthalate, with a tonnage **band of 1000+ tonnes/year**.

Sunfleks meets the requirements of the **U.S. FDA Food Additive and GRAS** regulations.



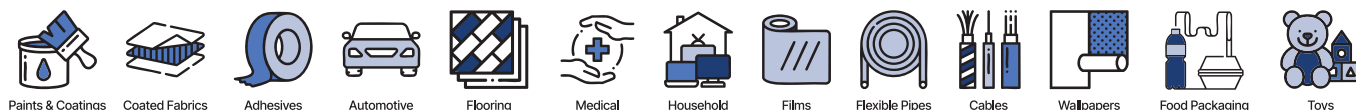
General Purpose Non-Phthalate Plasticizer

Sunfleks DOTP

Product Features

- **Sunfleks** is a versatile, efficient **Non-Phthalate**, General Purpose Plasticizer produced at our state of art facility, operated by **highly skilled staff**.
- **Sunfleks** is produced according to our own technology, with every process parameter monitored throughout of the production cycle, to arrive at a product providing **superior performance in all end applications**.

Applications



Specification

Property	Test Method	Value
Physical State	-	Liquid
Appearance	-	Transparent
Density (20°C, g/cm³)	ASTM D 1045	0,979-0,985
Ester Content (%)	GC-Home Method	≥ 99,5
Refractive Index (20°C)	ASTM D 1045	1,4830-1,4890
Viscosity (20°C, cP)	ASTM D 1045	80-95
Flash Point (Open Cup, °C)	ASTM D 92	≥210
Water Content (%)	ASTM D 1364-02	≤0,05
Boiling Point (°C)	-	383
Freezing Point (°C)	-	-48
Water Solubility (20°C g/L)	-	≤0,05
Acidity (mg KOH/g)	ASTM D 1045	≤0,10
Color (Pt-Co)	ASTM D 1209	≤20

Chemical Nature: Bis(2-Ethylhexyl) Terephthalate

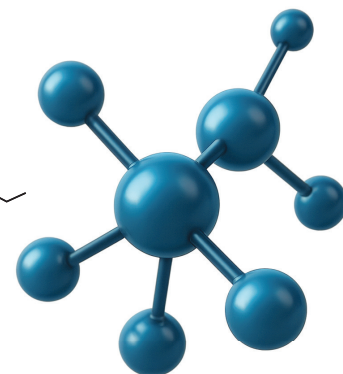
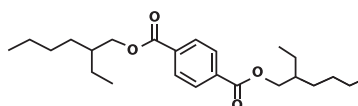
Abbreviation: DOTP / DEHT

CAS No: 6422-86-2

Molecular Weight: 391

Formula: C₂₄H₃₈O₄

Molecular Structure:



Certificates

Sunfleks complies with both **REACH** and **FDA** regulations.

The product is registered under the **REACH Regulation (EC) No. 1907/2006** through our Only Representative, RGS, for Bis(2-ethylhexyl) terephthalate, with a tonnage **band of 1000+ tonnes/year**.

Sunfleks meets the requirements of the **U.S. FDA Food Additive and GRAS** regulations.



For detailed information



Speciality Purpose Plasticizer

Optafleks DOA

Product Features

- Optafleks DOA is an efficient **non-phthalate**, Specialty Purpose Plasticizer produced at our state of art facility which is operated by **highly skilled staff**.
- Optafleks DOA is produced according to our own technology, with every process parameter monitored throughout of the production cycle, to arrive at a product providing superior performance in all end applications.

Applications



Food Packaging



Toys



Medical



Garden Equipment



Flexible Pipes



Coated Fabrics



Films



Cables



Automotive



Household



Paints & Coatings

Specification

Property	Test Method	Value
Physical State	-	Liquid
Appearance	-	Transparent
Density (20°C, g/cm ³)	ASTM D 1045	0,924-0,928
Ester Content (%)	GC-Home Method	≥ 99,5
Refractive Index (20°C)	ASTM D 1045	1,4440-1,4480
Viscosity (20°C, cP)	ASTM D 1045	12-20
Flash Point (Open Cup, °C)	ASTM D 92	≥ 190
Water Content (%)	ASTM D 1364-02	≤ 0,05
Boiling Point	-	415
Water Solubility (20°C g/L)	-	≤ 0,01
Acidity (mg KOH/g)	ASTM D 1045	≤ 0,07
Color (Pt-Co)	ASTM D 1209	≤ 30

Chemical Nature: Bis(2-ethylhexyl) Adipate

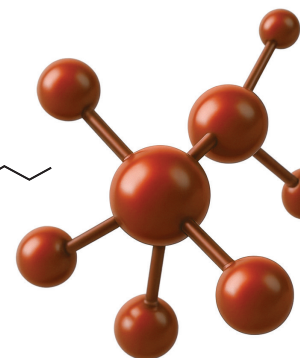
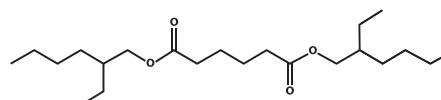
Abbreviation: DOA / DEHA

CAS No: 103-23-1

Molecular Weight: 370,56

Formula: C₂₂H₄₂O₄

Molecular Structure:



Certificates

Optafleks DOA complies with both **REACH** and **FDA** regulations.

The product is registered under the **REACH Regulation (EC) No. 1907/2006** through our Only Representative, RGS, for Bis (2-ethylhexyl) adipate, with a tonnage **band of 1000+ tonnes/year**.

Optafleks DOA meets the requirements of the **U.S. FDA Food Additive and GRAS** regulations.



Speciality Purpose Plasticizer

Optafleks^{TOTM}

Product Features

- **Optafleks TOTM** is a Non-Phthalate, Specialty Purpose Plasticizer produced at our state of art facility which is operated by highly skilled staff.
- **Optafleks TOTM** is produced according to our own technology, with every process parameter monitored throughout of the production cycle, to arrive at a product providing superior performance in all end applications.

Applications



Cables



Automotive



Medical



Coated Fabrics



Household



Flexible Pipes

Specification

Property	Test Method	Value
Physical State	-	Liquid
Appearance	-	Transparent
Density (20°C, g/cm ³)	ASTM D 1045	0,983-0,989
Ester Content (%)	GC-Home Method	≥ 99,5
Refractive Index (20°C)	ASTM D 1045	1,4800-1,4860
Viscosity (20°C, cP)	ASTM D 1045	320-340
Flash Point (Open Cup, °C)	ASTM D 92	≥ 240
Water Content (%)	ASTM D 1364-02	≤ 0,05
Freezing Point (°C)	-	-32
Acidity (mg KOH/g)	ASTM D 1045	≤ 0,10
Color (Pt-Co)	ASTM D 1209	≤ 30

Chemical Nature: Tris(2-ethylhexyl) trimellitate

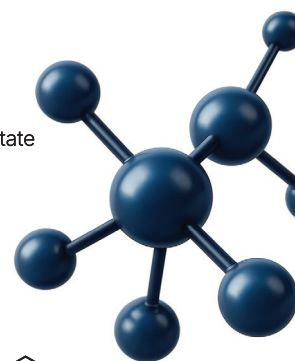
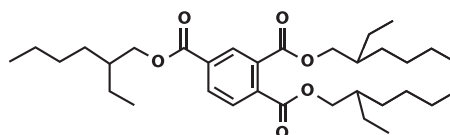
Abbreviation: TOTM / TEHTM

CAS No: 3319-31-1

Molecular Weight: 546

Formula: C₃₃H₅₄O₆

Molecular Structure:



Certificates

Optafleks TOTM is compliant with **FDA regulations**.

The product is pending **REACH registration under Regulation (EC) No. 1907/2006**, for Tris(2-ethylhexyl) trimellitate, with a tonnage **band of 1000+ tonnes/year**.

Optafleks TOTM meets the requirements of the **U.S. FDA Food Additive and GRAS regulations**.



Speciality Purpose Plasticizer

Optafleks

Polymeric 50

Product Features

- Optafleks **Polymeric 50**, is a Specialty Purpose Plasticizer developed by Plastay's R&D team.
- Optafleks **Polymeric 50** is produced according to our own technology.

Applications



Paints & Coatings



Coated Fabrics



Adhesives



Automotive



Flooring



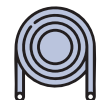
Medical



Household



Films



Flexible Pipes



Cables



Wallpapers

Specification

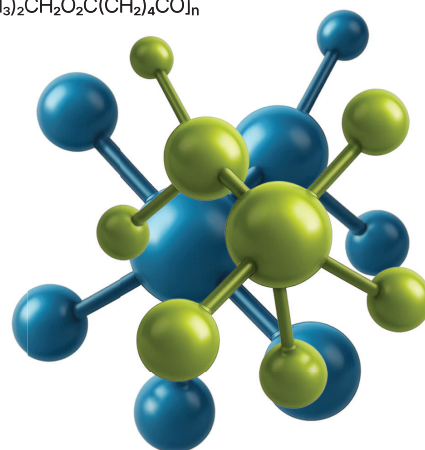
Property	Test Method	Value
Physical State	-	Viscous Liquid
Appearance	-	Yellowish Liquid (no mechanical impurities)
Density (20°C, g/cm ³)	ASTM D 1045	1,05-1,11
Ester Content (%)	GC-Home Method	≥ 95
Refractive Index (20°C)	ASTM D 1045	1,4630-1,4650
Viscosity (20°C, cP)	ASTM D 1045	≥ 1600
Flash Point (°C)	ASTM D 93	≥ 158
Acidity (mg KOH/g)	ASTM D 1045	≤ 2,0

Chemical Nature: Neopentyl Glycol Adipate

Abbreviation: NPG

Molecular Weight: Average Mn ~ 5000-6000

Formula: $-OCH_2C(CH_3)_2CH_2O_2C(CH_2)_4CO-$



Certificates

According to **REACH Regulation (EC) No. 1907/2006** Optafleks **Polymeric 50** does not require registration.



Speciality Purpose Plasticizer

Med-X

Medical Grade DEHP

Product Features

- **Med-X** is designed to fulfill the stringest requirements for medical products.
- **Med-X** production process is carefully controlled down to every parameter to arrive at a product providing superior quality.

Specification

Property	Test Method	Value
Physical State	-	Liquid
Appearance	-	Transparent
Density (20°C, g/cm ³)	ASTM D 1045	0,980-0,984
Ester Content (%)	GC-Home Method	≥ 99,5
2-Ethyl Hexanol Content (ppm)	GC-Home Method	<10
Refractive Index (20°C)	ASTM D 1045	1,4825-1,4865
Viscosity (20°C,cP)	ASTM D 1045	76-84
Flash Point (Open Cup, °C)	ASTM D 92	≥ 205
Water Content (%)	ASTM D 1364-02	≤ 0,03
Water Solubility (20°C g/L)	-	≤ 0,003
Acidity (mg KOH/g)	ASTM D 1045	≤ 0,04
Color (Pt-Co)	ASTM D 1209	≤ 20

Chemical Nature: Bis(2-Ethylhexyl) Phthalate

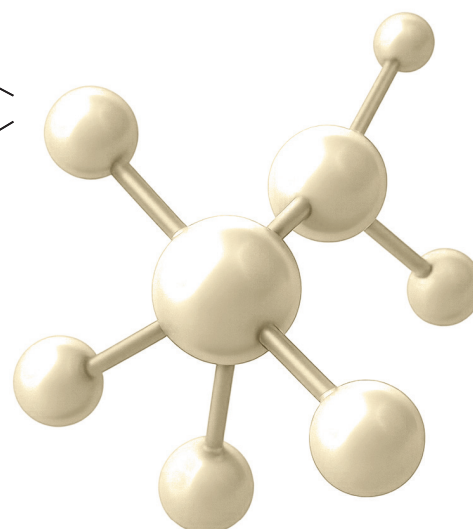
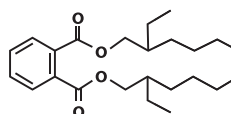
Abbreviation: DOP / DEHP (Medical Grade)

CAS No: 117-81-7

Molecular Weight: 390,56

Formula: C₂₄H₃₈O₄

Molecular Structure:



Certificates

Med-X complies with **REACH**.

The product is registered under the **REACH Regulation (EC) No. 1907/2006** through our Only Representative, RGS, for Bis(2-ethylhexyl) phthalate, with a tonnage **band of 1000+ tonnes/year**.



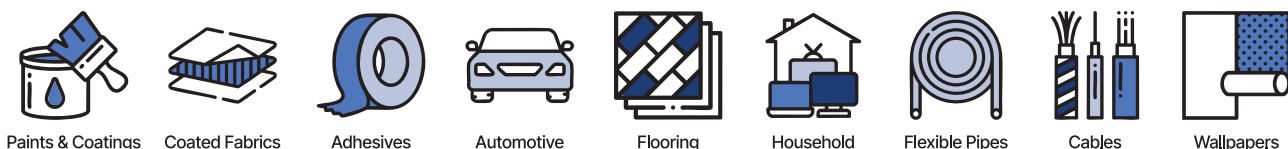
General Purpose Plasticizer

Inafleks^{DINP}

Product Features

- **Inafleks** is a high molecular weight phthalate, General Purpose Plasticizer manufactured using batch production mode.
- **Inafleks** is produced according to our own technology, with every process parameter monitored throughout of the production cycle, to arrive at high quality product for end segments.
- We use leading raw material suppliers to ensure consistency of product properties at all time.

Applications



Specification

Property	Test Method	Value
Physical State	-	Liquid
Appearance	-	Transparent
Density (20°C, g/cm ³)	ASTM D 1045	0,969-0,979
Ester Content (%)	GC-Home Method	≥ 99,5
Refractive Index (20°C)	ASTM D 1045	1,4810-1,4890
Viscosity (20°C, cP)	ASTM D 1045	70-100
Flash Point (Open Cup, °C)	ASTM D 92	≥ 205
Water Content (%)	ASTM D 1364-02	≤ 0,05
Water Solubility (20°C g/L)	-	≤ 0,00004
Acidity (mg KOH/g)	ASTM D 1045	≤ 0,07
Color (Pt-Co)	ASTM D 1209v	≤ 30

Chemical Nature: Bis(Isononyl) Phthalate

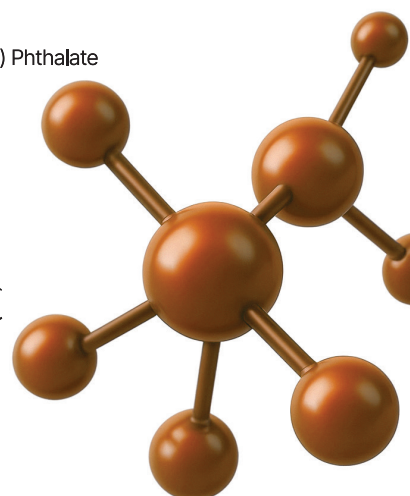
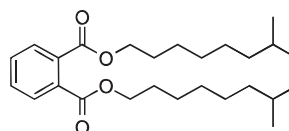
Abbreviation: DINP

CAS No: 28553-12-0

Molecular Weight: 418,61

Formula: C₂₆H₄₂O₄

Molecular Structure:



Certificates

Inafleks complies with **REACH**.

The product is registered under the **REACH Regulation (EC) No. 1907/2006** through our Only Representative, RGS, for Bis(Isononyl) Phthalate, with a tonnage **band of 1000+ tonnes/year**.