

Hydrogenated Castor Oil

Hydrogenated Castor Oil is supplied in the Oils range for industrial formulation and processing enquiries. CAS No. 8001-78-3.

DOCUMENT TYPE	Technical Data Sheet (TDS)
PRODUCT CODE	OLE-CAT-119
DOCUMENT TITLE	HYDROGENATED CASTOR OIL(HCO) POWDER-POLYRHEO-TDS
VERSION	Current controlled copy
ISSUE / REVISION	Refer to source document
REGION / LANGUAGE	Global / English

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POLYRHEO HYDROGENATED CASTOR OIL(HCO) POWDER

CAS NO: 8001-78-3

PRODUCT DESCRIPTION

Polyrheo Hydrogenated Castor Oil (HCO) Powder, also known as Opal Wax, is a high-melting, hard, and brittle solid characterized by its neutral taste and odor. Chemically, it is a triglyceride primarily composed of 12-hydroxystearic acid. The material is insoluble in water and exhibits only limited solubility in most organic solvents. It is supplied in both flake and powder forms and converts to a clear, transparent liquid upon melting. HCO is classified as a non-toxic and non-hazardous substance.

PROPERTIES

Characteristics	Range
Appearance	White Powder
Gardner Color	2G Max
Acid Value	3.0 Max
Melting Point	82–86 °C
Iodine Value	3 Max
Hydroxyl Value	155 Min
Saponification Value	175–185
Mesh Analysis	95% Min Pass Through 20 Mesh

APPLICATIONS

- Aids processing in rubber and plastics.
- Boosts hardness and gloss in polishes/coatings.
- Thickens lubricants, sealants, adhesives.
- Improves texture in cosmetics/toiletries

PRECAUTIONARY STATEMENT

Polyrheo maintains up-to-date Safety Data Sheets (SDS) on all its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest SDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

NOTES

The values indicated in this document may deviate from the test method requirements by the number of significant figures shown. Results may be based on tank certification, manufacturing data, periodic testing and/or most recent product restock. This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of Polyrheo as to the intended use. For more detailed information, please contact Customer Service.

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