ExxonMobil

Primol™ N 352

ExxonMobil Specialties , Taiwan

Medicinal grade White Oil

Product Description

Primol N 352 is a purified mixture of liquid saturated hydrocarbons. It is a colourless, transparent oily liquid and is essentially odourless and tasteless. It is obtained from petroleum through several refining stages, including an ultimate purification by catalytic hydrogenation. Primol N 352 contains 5 ppm food-grade alpha-tocopherol (vitamin E) as an oxidation inhibitor (*).

Primol N 352 is manufactured to exceed the purity requirements of the Pharmacopoeias Due to its superior chemical inertness, it demonstrates better colour and oxidative stability than most mineral and vegetable oils, when stored and used under controlled conditions.

ExxonMobil White Oils are produced and controlled according to the ExxonMobil Product Quality Management System, EN ISO 9000 or equivalent standard.

(*): Primol N 352 does not comply with the Liquid Paraffin definition of the European Pharmacopoeia due to the addition of an oxidation inhibitor.

Applications

Primol N 352 can be used in a variety of food-related, cosmetic and pharmaceutical applications subject to the applicable laws and regulations in each country (*).

Thermoplastics

- Primol N 352 is recommended as a food packaging-grade plasticizer in general purpose and high impact polystyrene.
- Primol N 352 is recommended for use as an external lubricant for non-plasticized PVC.
- Primol N 352 is an inert and protective catalyst carrier for polypropylene processes. It can also serve as a pigment powder dispersant in master batch compounding.

Elastomers and Adhesives

- Primol N 352 is used for producing food-contact or medical rubber articles such as EPDM or butyl rubber. It is particularly well suited for the extension of Thermoplastic Elastomers (TPE), such as SBS, SEBS or SEPS.Primol N 352 is also recommended for Hot-Melt Adhesives formulations used in sanitary products.

Cosmetics and Pharmaceuticals

- Primol N 352 has many well-established applications in the pharmaceutical industry, like laxative jellies and ointments, and is also recommended as a component for many cosmetic products, such as creams and body lotions.

(*) User must check compliance with applicable regulations.

CAS number: 8042-47-5

EINECS number: 232-455-8

INCI name (Europe): Paraffinum Liquidum

CTFA Dictionary name (USA): Mineral Oil

Regulations and Claims

This product is registered to the requirements of:
NSF H1

This product meets or exceeds the requirements of:
FDA 21 CFR 178.3620(a)
US Pharmacopeia/National Formulary Mineral Oil monograph
European Regulation (EU) 10/2011

Properties and Specifications

Property	Standard Method(a)	Min	Max
Appearance	Visual	Clear and Bright	
Density @ 15 C, kg/m3	ASTM D4052	863	873
Distillation, 10 torr, 5.0%, °C	ASTM D1160	275	
Distillation, 10 torr, 10%, °C	ASTM D1160	282	
Flash Point, Cleveland Open Cup, °C	ASTM D92	240	
Kinematic Viscosity @ 100 C, mm2/s	ASTM D445	8.5	
Kinematic Viscosity @ 40 C, mm2/s	ASTM D445	65.0	75.0
Odor	OLFACTORY	odorless or almost ordorless	
Pour Point, °C	ASTM D5950		-12
Refractive Index, 20 C	ASTM D1218	1.473	1.479
Relative Density @ 25 C/25 C	ASTM D4052	0.859	0.870
Color, Saybolt	ASTM D6045	+30	
Average Molecular Weight, g/mole	ASTM D2502	480	
Hydroc. with less than 25 carbons, wt %	ASTM D6352		5

Note 1: Products are certified on release to meet the values specified. Actual values may deviate within the established reproducibility of the test method specified.

Note 2: For purpose of determining conformance with specification, observed or calculated values shall be rounded off to the nearest unit in the last significant digit used in expressing the limiting value in accordance to the ASTM E 29 method

(a) In lieu of standard test method, alternate test methods may be used for the certification of a product property.

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims

/psims.aspx

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