



# RENOIL<sup>TM</sup> WHITE MINERAL OILS

## Product Description

**Renoil White Oils** are colorless, odorless, tasteless mixtures of saturated paraffinic and naphthenic hydrocarbons that span a viscosity range of 60-350 SUS at 100°F. These nearly chemically inert oils are virtually free of nitrogen, sulfur, oxygen and aromatic hydrocarbons. **Renoil White Oils** contain Vitamin E, a natural antioxidant, to protect quality during handling and storage. They are clear, bright, and free of solids and water.

## Product Features and Benefits

**Renoil White Oils** deliver value through:

A high degree of purity — Colorless, odorless, tasteless. The purity of **Renoil White Oils** accounts for their frequent use in medicinal and cosmetic products.

The low phytotoxicity of **Renoil White Oils** can make them a preferred component of products applied to agricultural and ornamental plants.

A wide application range — **Renoil White Oils** are common ingredients of pharmaceuticals and cosmetics. The plastics, textile and food industries are major users of **Renoil White Oils**.

**Renoil White Oils**, meet or exceed U.S. Food and Drug Administration (FDA) requirements:

- for food contact applications, 21 CFR 178.3620(a)
- for direct use in food, 21 CFR 172.878
- for applications where incidental food contact may occur, 21 CFR 178.3570
- for use in animal feed, 21 CFR 573.680
- for use as a plasticizer in polymeric substances, 21 CFR 178.374

## Typical Applications

Renoil White Oils find wide application:

- where direct food contact may occur.
- where prolonged contact with human skin is necessary.
- where odor and staining must be minimized.
- where outstanding long service under adverse conditions is required.

## Approvals and Specifications

Meet all of the following for white mineral oils:

- U.S. Pharmacopeia (USP)
- Cosmetic, Toiletry, and Fragrance Association (CTFA)
- Canadian Food Inspection Agency (CFIA)
- European Pharmacopeia (EP)

Certified:

- NSF H1 as acceptable lubricants where incidental food contact may occur in and around food processing areas and as a release agent.
- NSF 3H where direct food contact may occur. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.
- Kosher, Pareve and Halal.

Renoil White Oils must be stored in approved containers to prevent contamination that could jeopardize their food grade status.

## Typical Properties

Typical Properties	Methods	70-W	100-W	220-W	350-W
Kinematic Viscosity @ 40°C, cSt	ASTM D445	13	20	43	68
Saybolt Viscosity @ 100°F, SUS	ASTM D2161	70	105	220	350
API Gravity	ASTM D4052	33.1	33.8	31.8	31.2
Specific Gravity@ 25°C	ASTM D4052	0.854	0.85	0.86	0.864
Pour Point, °F (°C)	ASTM D5950	-17 (-27)	10 (-12)	10 (-12)	10 (-12)
Flash Point, °F (°C)	ASTM D92	350 (177)	392 (200)	437 (225)	446 (230)
Color, Saybolt	ASTM D156	30	30	30	30
21 CFR 172.878	FDA	Pass	Pass	Pass	Pass
21 CFR 178.3620 (a)	FDA	Pass	Pass	Pass	Pass

### Part Number:

Tote – 275 Gal\*  
Drum – 55 Gal

IP74967	IP74977	IP74987	IP74997
IP74962	IP74972	IP74982	IP74992