

## Description

The SYNTECH FOOD USP SERIES oils are used in food manufacturing, pharmaceutical and cosmetic preparations. These oils are available with viscosities from 8 cSt to 100 cSt @ 40 °C, meeting the highest quality requirements for medicinal and pharmaceutical white oils. These are high purity, colourless and odourless oils can also be used in many applications, including cosmetics and pharmaceuticals and to blend food grade lubricants registered to NSF H1 and 3H, direct food contact.

The SYNTECH FOOD USP SERIES fully conforms to the latest issues of following specifications:

- European Pharmacopoeia
- British Pharmacopoeia (BP)
- German Pharmacopoeia (DAB)
- FDA 21 CFR 172.878 White Mineral Oil
- FDA 21 CFR 178.3620 (a)

Typical Qualities of SYNTECH FOOD USP SERIES Pharmaceutical White Oils:

| Properties              | ASTM           | FOOD 10 USP | FOOD 15 USP | FOOD 24 USP | FOOD 35 USP | FOOD 46 USP | FOOD 68 USP | FOOD 100 USP |
|-------------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Viscosity at 40 °C, cSt | D445           | 8           | 15          | 23          | 32          | 46          | 68          | 100          |
| Flash Point, COC, °C    | D92            | 190         | 194         | 210         | 220         | 210         | 240         | 265          |
| Pour Point, °C          | D97            | -21         | -15         | -18         | -18         | -16         | -15         | -12          |
| Density at 15 °C, kg/L  | D1298          | 0.837       | 0.856       | 0.085       | 0.864       | 0.865       | 0.868       | 0.872        |
| Carbon type analysis, % | D2140          |             |             |             |             |             |             |              |
| Aromatics               | CA             | 0           | 0           | 0           | 0           | 0           | 0           | 0            |
| Naphthenics             | CN             | 30          | 32          | 38          | 35          | 38          | 32          | 32           |
| Paraffinics             | CP             | 70          | 68          | 62          | 65          | 62          | 68          | 68           |
| Colour Saybolt          | D156           | +30         | +30         | +30         | +30         | +30         | +30         | +30          |
| Odour                   | Odourless      |             |             |             |             |             |             |              |
| Acidity                 | Neutral        |             |             |             |             |             |             |              |
| Taste                   | Tasteless      |             |             |             |             |             |             |              |
| Appearance              | Clear & Bright |             |             |             |             |             |             |              |
| UV Absorption           | USP            | < 0.05      | < 0.05      | < 0.05      | < 0.05      | < 0.05      | < 0.05      | < 0.05       |
| Readily Carbonisable    | USP            | Pass        | Pass        | Pass        | Pass        | Pass        | Pass        | Pass         |

## Approvals/Registration:



The content of this data sheet is given in good faith but without warranty.