

AxonOil[®]

Fluid power in motion.



Pharmaceutical and technical
white oils

In today's pharmaceutical and plastic industries, as well as in the food and textile sectors, you are always facing new challenges, including product purity and consistency.

If you want to select the highest-quality products available, you can rely on AxxonOil's white oils.

For more than a decade, AxxonOil has operated on the market of pure white oils. We continuously improve our products updating the processes and technologies to achieve excellent quality levels.

We have a 360° control system thanks to our modern internal laboratory.

Our **medicinal (Xtreme PharmaWHITE)** and **technical (Xtreme TechnoWHITE)** white oils:

- Are free from irritants and allergens and are free of contamination from toxic chemicals and heavy metals, because of the high temperature manufacturing process and specific packaging and handling procedures,
- Have a formulation and product stability that ensure high consistency from one supply to the other, enabling manufacturers to meet customer expectations by placing an identical end product on the market every time,
- Are produced and controlled according to the highest international quality standards and our **Quality Management System, certified ISO 9001: 2015** by SGS.

Our state-of-the-art filling lines are extremely flexible, allowing us to offer also a **Private Labelling** service to our clients.

We sell our white oils in packaging from 500ml to tank truck or flexi tanks.



PHARMACEUTICAL WHITE OILS

Xtreme PharmaWHITE is a highly refined Vaseline oil (liquid paraffin) composed of saturated paraffinic and, in lower proportion, cycloparaffin hydrocarbons.

The refining process ensures complete removal of aromatic compounds, sulfur and nitrogen.

The manufacturing technologies generate products that are highly stable over time in all pressure and temperature conditions, as well as being hydrophobic, colorless, odorless and tasteless.

They are suitable for direct or indirect contact with food and more generally in applications in contact with humans. They are Halal certified.

Available in grades from 15 to 68.
Other viscosity available upon request.

Specifications:

- US FDA 21
- CFR 172.878/178.3620 (American Food and Drug Administration)
- USP 31 (United States Pharmacopoeia)
- NF 26 (USA National Formulary)
- BP 2008 (British Pharmacopoeia)
- DAB (German Pharmacopoeia)
- FUI Xlla Ediz. (Italian Pharmacopoeia)



TYPICAL VALUES

| | DENSITY 15°C (KG/M ³) ASTM D-1298 | COLOR SAYBOLT ASTM D-156 | KINEMATIC VISCOSITY 40°C (cSt) ASTM D-445 | KINEMATIC VISCOSITY 100°C (cSt) ASTM D-445 | VISCOSITY INDEX ASTM D-2270 | FLASH POINT (°C) ASTM D-92 | POUR POINT (°C) ASTM D-97 |
|-----------------------|---|--------------------------------|--|---|-----------------------------------|-------------------------------------|------------------------------------|
| PharmaWHITE 15 | 843,9 | + 30 | 15,3 | 3,6 | 116 | ≥ 180 | ≤ -18 |
| PharmaWHITE 22 | 845,3 | + 30 | 22,4 | 4,6 | 119 | ≥ 210 | ≤ -15 |
| PharmaWHITE 32 | 847,3 | + 30 | 32,0 | 5,8 | 124 | ≥ 210 | ≤ -15 |
| PharmaWHITE 68 | 861,4 | + 30 | 68,8 | 9,2 | 110 | ≥ 220 | ≤ -12 |

APPLICATIONS

Xtreme PharmaWHITE's main applications are in the pharmaceutical and cosmetics industries, in the food, agricultural, plastic and adhesives sectors.

| | PharmaW. 15 | PharmaW. 22 | PharmaW. 32 | PharmaW. 68 |
|---|----------------|----------------|----------------|----------------|
| PHARMACEUTICALS | | | | |
| Laxatives | - | X | X | X |
| Ointments/creams | X | X | X | - |
| Preparation of gelatinous capsules | X | - | - | - |
| COSMETICS | | | | |
| Baby oils | X | X | - | - |
| Sun tan oils | X | X | X | X |
| Sunscreens | X | X | X | X |
| Moisturizing creams | X | X | X | X |
| Hair care products | X | X | X | X |
| Makeups & removers | - | X | - | - |
| Depilatories | X | - | - | - |
| Bath Oils | X | X | - | - |
| FOOD INDUSTRY | | | | |
| Bakery pan oils | X | X | - | - |
| Food machinery lubricants | - | X | X | X |
| Coatings for eggs, cereals, nuts and fruits, ecc | X | - | - | - |
| Base oil for food lubricants | X | X | X | X |
| AGRICULTURE/AGRICULTURAL INDUSTRY AND BREEDING | | | | |
| Base for low-toxicity insecticide for plants | X | X | X | X |
| Lubricants for pump and mechanisms in contact with food | - | X | X | X |
| Milkmaid | - | X | X | X |
| Impregnating agents for cork shavings in oenological processes | X | - | - | - |
| ELASTOMERS AND ADHESIVES | | | | |
| Plasticizers in packaging materials and food packaging | - | - | X | X |
| External lubricant for non-plasticized PVC | - | - | - | X |
| Process oils in the manufacture of thermoplastic rubbers and elastomers | - | - | - | X |
| Thinners for hot-melt and pressure sensitive adhesives | X | - | - | X |

TECHNICAL WHITE OILS

Xtreme TechnoWHITE is a mineral white oil, free from polynuclear and mononuclear aromatic hydrocarbons.

Its composition includes linear paraffins, such as branched paraffins, and to a lesser extent, the paraffin cycles.

Our technical white oils:

- resist to thermal-oxidation,
- fight chemical degradation,
- prevent rust and corrosion,
- protect materials from stain and facilitate their removal (**Xtreme TechnoWHITE Fibre**).

Available in grades from 15 to 68.

Other viscosity available upon request.



TYPICAL VALUES

| | DENSITY 15°C (KG/M ³) ASTM D-1298 | COLOR SAYBOLT ASTM D-156 | KINEMATIC VISCOSITY 40°C (cSt) ASTM D-445 | KINEMATIC VISCOSITY 100°C (cSt) ASTM D-445 | VISCOSITY INDEX ASTM D-2270 | FLASH POINT (°C) ASTM D-92 | POUR POINT (°C) ASTM D-97 |
|-----------------------------|---|--------------------------------|--|---|-----------------------------------|-------------------------------------|------------------------------------|
| TechnoWHITE FIBRE 15 | 832,3 | 28 | 15,3 | 3,6 | 116 | ≥ 180 | ≤ -18 |
| TechnoWHITE FIBRE 22 | 841,2 | 28 | 22,0 | 4,6 | 124 | ≥ 210 | ≤ -15 |
| TechnoWHITE FIBRE 32 | 847,3 | 28 | 32,2 | 5,8 | 124 | ≥ 210 | ≤ -15 |
| TechnoWHITE FIBRE 68 | 870,1 | 28 | 68,9 | 9,4 | 113 | ≥ 220 | ≤ -12 |
| TechnoWHITE YC 15 | 832,3 | 20 - 25 | 15,3 | 3,6 | 116 | ≥ 180 | ≤ -18 |
| TechnoWHITE YC 32 | 847,3 | 20 - 25 | 32,2 | 5,8 | 124 | ≥ 210 | ≤ -15 |
| TechnoWHITE YC 68 | 870,1 | 20 - 25 | 68,9 | 9,4 | 113 | ≥ 220 | ≤ -12 |

APPLICATIONS

Xtreme TechnoWHITE can be used to lubricate precision machines, in the textile and plastic sectors, in the preparation of detergents and wood preservation products, in the paper and metal cutting industries.

| | TechnoW. FIBRE 15 | TechnoW. FIBRE 22 | TechnoW. FIBRE 32 | TechnoW. FIBRE 68 | TechnoW. YC 15 | TechnoW. YC 32 | TechnoW. YC 68 |
|--|----------------------|----------------------|----------------------|----------------------|-------------------|-------------------|-------------------|
| TEXTILE | | | | | | | |
| Lubricants for mechanical parts of sewing machines | X | X | X | - | X | X | - |
| PRECISION MACHINING | | | | | | | |
| Lubricants for watch mechanisms | X | - | - | - | X | - | - |
| Spray to lubricate mechanisms and gears | X | - | - | - | X | - | - |
| CHEMICAL INDUSTRY | | | | | | | |
| Plasticizers and lubricants of rubbers and thermoplastics | X | X | X | - | X | X | - |
| External lubricant for PVC | - | X | X | X | - | X | X |
| Wood preservation products | X | X | X | - | X | X | - |
| Lubricants for compressors used in the manufacture of polyolefins | - | X | X | X | - | X | X |
| OTHER INDUSTRIAL APPLICATIONS | | | | | | | |
| Preparations of plant protection products | X | X | X | - | X | X | - |
| Preparation of pesticides for plants | X | - | - | - | X | - | - |
| Household cleaners & polishes | X | - | - | - | X | - | - |
| Components of inks and paints | X | X | - | - | X | - | - |
| Wetting agent in the production of air filters | - | - | - | - | X | - | - |
| Component in the manufacture of waxes | X | - | - | - | X | - | - |
| Lubricants for cutting machines in aluminum rolling | X | X | X | - | X | X | - |
| Lubricants for the paper industry | X | X | - | - | X | - | - |



HEAD OFFICE

C.NE CLODIA, 36B
00195 ROME (ITALY)

COMMERCIAL OFFICE

VIA FLAMINIA, 441
00196 ROME (ITALY)

T. +39 06 32 24 654
M. administration@axxonoil.com

PRODUCTION PLANT

CONTRADA SELVA
DI SOTTO, SNC
82035 S.SALVATORE TELESINO (BN) (ITALY)

T. +39 0824 94 75 22
M. info@axxonoil.com

axxonoil.com

AxxonOil[®]