

1. Paraffin Oil (White Oil)

Basic Product Specification

- A high-quality product that meets local and international requirements.
- Transparent, with different viscosity range depending on the customer's requirements
- Safe to use, and free of unwanted odors and harmful impurities.

Applications

- Used in the pharmaceutical industries
- Used in the manufacture of ointments for hardness and texture
- Used in the manufacture of moisturizing creams
- Used in the manufacture of veterinary drugs
- Used in the manufacture of cosmetics
- Moisturizes and smooths the skin
- Used in the food processing industry to make candies shiny
- Used in food processing machines, e.g. rice millers
- Used in the manufacture of candles, and provides fuel for lamps.

Technical Specifications

Tests	Limits
Density at 15°C	0.86 g/cm ³
Color: Saybolt	+30
Pour point	-27°C
Flash Point	> 100°C
Viscosity at 40°C	> 4 centistokes (cS)
Sulfur	< 1%
Initial Boiling Point	250-265°C
Final Boiling Point	320-335°C
Aromatic content	< 0.5%

2. Sugar-Solvent Oil

Basic Product Specification

- A high-quality product that meets the international requirements.
- Safe to use in food products
- Protects machinery from frequent maintenance
- Speeds up production since it is easy to use

Applications

- Used to dissolve the lumpy sugar and caramel on the heater of the bag welding machine
- Used in candy, biscuit and chocolate factories
- Used to lubricate moving parts and cutting blades
- Used in tablet pressing and packing machines
- Used in weighing devices to reduce the resistance of moving parts

Technical Specifications

Tests	Limits
Description	White liquid emulsion
Density at 15°C	0.97-1.06 g/cm ³
Flash Point	> 100°C
Viscosity at 40°C	> 4 centistokes (cS)
pH	7-7.6
Initial Boiling Point	100°C

3. Paraffin Wax

We produce a wide range of paraffin waxes for all applications, whether medical or industrial.

Basic Product Specification

- Products with different melting points and oil concentrations
- Products designed and manufactured using the state-of-the art manufacturing technologies
- A wide range of products for all medical and industrial applications
- Conforms to the international standards

Applications

- Used in the medical and cosmetic industries
- Used in the production of candles for lighting and at parties
- Used in polishing and cleaning products
- Used to buff paper and cardboard materials and protect them from moisture
- Used in some veterinary products

Technical Specifications

Tests	Limits
Description	White block or beads
Color: Lovibond	0.1
Oil concentration	< 0.5 %
Flash Point	> 250°C
Viscosity at 100°C	> 6 centistokes (cS)
Melting point	62°C
congealing Point	66°C
Needle Penetration	14mm
Refractive index at 90°C	1.43177

4. Medical Petroleum Jelly (Vaseline)

We produce a wide range of medical petroleum jellies

Basic Product characteristic

- Carefully selected products
- Products designed and manufactured using state-of-the art manufacturing technologies
- A wide range of products for all medical applications
- Conforms to international standards

Special benefits for hair

- Can be used to strengthen, polish and improve the health of hair
- Helps detangle hair for easy combing
- Helps to prevent hair breaking, and keeps hair strong
- Can be used during the application of hair dye, since applying it to the edges and ends of hair and the areas near the forehead, neck or ears helps to stop color penetrating these areas.

Benefits for the face, skin and lips

- Moisturizes dry skin
- Protects against wrinkles and fine lines that may form with age
- Used in treating cracked heels and hands, and reduces the symptoms of dry skin in winter
- Used in treating and moisturizing dry and cracked lips
- Used for combing eyelashes on a daily basis and helps in making the eyelashes longer.
- Used for removing synthetic adhesive eyelashes
- Protects, supports and strengthens eyelashes, and helps to prevent eyelash loss

Technical Specifications

Tests	Limits
Description	White or off-white tasteless and odorless gel with solid texture
Density at 15°C	0.81- 0.88 g/cm ³
Color: Saybolt	+30
Melting point	40-58°C
Acidity/Alkalinity (pH)	Neutral
Texture	140-190
Solubility	insoluble in water or alcohols soluble, soluble ether and chloroform-soluble

5. Petroleum Jelly (Vaseline) for Veterinary Purposes

- We produce a wide variety of veterinary products fortified with effective substances like iodine and sulfur.
- Iodine-fortified petroleum jelly is used to protect the udders of cows and cattle from cracks, inflammation and cross-infection when using automatic milking systems.
- Sulfur-fortified petroleum jelly is used in treating external parasites, and protecting the skin from different infections.
- Insect repellent fortified petroleum jelly is used in protecting the livestock and maintaining animal health.
- Our products do not contaminate milk. They maintain the cleanliness and purity of the udder.
- Can be applied to the body of animals to protect them from bacterial infections.

Technical Specifications

Sulfur-fortified Vaseline

Tests	Limits
Description	Yellow tasteless and odorless gel with solid texture
Sulfur	5%
Density at 15°C	0.81-0.88 g/cm ³
Melting point	40-58°C
Other additives	Lanolin and Glycerin

Iodine-fortified Vaseline

Tests	Limits
Description	Reddish brown odorless gel with firm texture
Iodine	0.2%
Density at 15°C	0.81-0.88 g/cm ³
Fusion Temperature	40-58°C
Other additives	Lanolin and Glycerin

6. Mineral Oil Spray for Trees

We aim at reducing the consumption of insecticides by using safer and more effective alternatives to control most of the insects and fungi in different crops, e.g., fruit trees and vegetables.

Basic Product Specification

- Stable composition and excellent properties
- Highly saturated oils for better protection and effectiveness
- Non toxic to plants
- Can be mixed with most insecticides to add volume

Main Applications:

- Scale insect control
- Spider egg control
- Aphid control

Summer Oil Spray for Trees

Light oils of low viscosity that can be used to spray trees covered in green growth. Such oils can be used separately or mixed with other insecticides to enhance their effectiveness.

Technical Specifications

Tests	Limits
Concentration and form	95% emulsifiable concentrate
sulphated Substances	92% minimum
Specific weight at 15°C	0.85
Viscosity at 15°C	120 centistokes (cS)
Distillation 50% v/v	330- 375°C

Winter Oil Spray for Trees

Heavy, high viscosity oil used to spray deciduous trees during dormancy in winter. Sprayed before the buds open.

Technical Specifications

Tests	Limits
Concentration and form	80% emulsifiable concentrate
Sulphated substances	92% minimum
Specific weight at 15°C	0.9
Viscosity at 15°C	1200 centistokes (cS)
Distillation 50% v/v	330- 375°C

7. White Spirit

Basic Product Specification

- Organic solvent with low aromatic substances

Applications

- Used as a solvent in paints and in making thinner
- Used in making organic solvents

Technical Specifications

Tests	Limits
Density at 15°C	0.77 g/cm ³
Color: Saybolt	+30
Sulfur	- 0.03%
Flash Point (Cleveland Open-Cup (COC) (Minimum)	30°C
Initial Boiling Point	136°C
Final Boiling Point	200°C
Melting Point	-40°C
Aromatic Substances	17% max.
Doctor Test	Negative

8. Fuel Gel

Fuel gel for coal ignition

Properties

- Form: Colored gel
- Easy to use
- Can be used in safari and outdoor areas
- Used to ignite coal easily
- Combustion products include only water and carbon dioxide
- No smoke, ash or odor
- No negative effect on food
- Lightweight package of high quality and effectiveness
- Spill-proof and safe to burn
- Flash point: 54°C

9. paraffin wax Emulsion

A product used for coating surfaces by wax layer.

Applications

- Used in the production of paper and cardboard
- Used in the production of wood-based insulation boards
- Used to reduce the loss of moisture and extend the shelf life of fruits; it also gives fruits a bright appearance
- Used in the production of gypsum, fiber and timber boards

10. Hard Wax Beads

- One of the best types of wax used to remove excess hair
- Helps to remove hair very effectively, while maintaining the health and smoothness of the skin
- Contains antioxidants to rid the skin of toxins that can negatively affect it
- Safe to use since it does not cause any signs of redness or sensitivity
- A high-quality product, with different forms that suit every skin type, and special aromas and colors
- Easy to clean; and helps in removing thick hair
- Not painful to apply

11. Methanol

Methanol is a colorless transparent water-soluble liquid.

It is an essential product used in the production of different industrial products.

Methanol is extracted from natural gas by steam reforming gas. The mixture is then converted and distilled to produce pure methanol.

Applications

Methanol is used in the production of basic chemicals that are used to make an endless variety of consumer and industrial products such as building materials and plastics.

Methanol can be used in the energy sector, including direct blending with gasoline, marine freight fuels, dimethyl ether (DME) and biodiesel.

Blending methanol with gasoline provides an alternative to imported petroleum products and additional fuel options for consumers.

Converting methanol-to-olefins (MTO) instead of producing it through NAFTA, which is affected by the price of crude oil.

The production of formaldehyde, which is a basic by-product of methanol. The largest single end use of methanol; used in the production of formaldehyde by-products, such as urethane, phenol formaldehyde, urea formaldehyde, etc.

Acetic acid, which a by-product of methanol, used in the production of terephthalic acid (PTA); PTA is used to make polyester fibers, polyethylene terephthalate (PET), vinyl acetate, chloroacetic acid, acetic acid anhydride and many more.

Product Specifications

Tests	Limits
Description	Colorless transparent liquid
Concentration	99%
Density	0.798
Amount remaining after evaporation	0.15%
Total calculated acidity of acetic acid	0.006%
Aldehydes and ketones	0.1%
Sulfur	0.001%

12. Cutting Fluid

Description

- A high quality water-soluble cutting liquid that contains a mineral oil and forms a milky emulsion when mixed with water.
- Water-soluble cutting oil has superior cooling and lubricating properties; it also contains rust corrosion inhibitor and substances that prevent bacterial growth when used.
- Eco-friendly composition without chlorine additives with a carefully selected blend of high quality and effective oils.
- Excellent stability in hard water, which effectively prevents separation of oil and water.

Product Properties

- Excellent lubrication
- Excellent corrosion resistance, for all types of alloys
- Excellent anti-foaming performance, even if used with a high-pressure pump
- Excellent stability in hard water, which eliminates the problem of emulsion breaking
- Free of chlorine as per the environmental restrictions

Applications

Water-soluble cutting oil is excellent for shaping all ferrous and non-ferrous metals, and is particularly suitable for aluminum and steel alloys. It is a multipurpose cutting oil. It is used in lathing, broaching, drilling, reaming and milling operations.

Product Specifications

Tests	Limits
Appearance	Oily
Density	0.9 g/cm ³
Dynamic Viscosity	70mm ² /sec at 40°C
Diluted form (5% solution)	White emulsifier
Acidity/pH (5% solution)	8