

# Touching Lives Everyday



Mineral Oils and  
Petroleum Jelly





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## MINERAL OILS & PETROLEUM JELLIES



### Playing it clean and safe

Petroleum jelly production systems need lubrication that supports round-the-clock operations in the cleanest, safest manner—especially when it comes to producing jellies for cosmetics and pharmaceuticals.

#### **DIVYOL MINERAL OILS / LLP & HLP: ultra-dependable to the last drop**

Divyol Mineral Oils are refined to the highest purity standards and stabilised against oxidation and ultra-violet (UV) damage. They are suitable for applications in pharmaceuticals, cosmetics, and food, as well as for polystyrene and thermoplastic manufacturing applications.

Divyol Mineral Oils meet US FDA 21 CFR 172. 878 and US FDA 21 CFR 178.3620 standards for various food-related applications. These oils surpass NF, Indian Pharmacopoeia (IP), U.S. Pharmacopoeia (USP), British Pharmacopoeia (BP), and European Pharmacopoeia (EP) requirements. They are certified halal and kosher products.

#### **DIVYOL JELLIES: meeting world standards**

Divyol Snow White Petroleum Jelly, White Petroleum Jelly, and Yellow Petroleum Jelly are odourless, tasteless, homogeneous mixtures of ultra-pure hydrogenated hydrocarbon oils and waxes. They are FDA-approved and their manufacture is in consonance with good manufacturing practices (GMP). Surpassing IP, USP, BP, and EP requirements, these products are used as base materials and release agents in pharmaceuticals, cosmetics, health care (including baby care), and food processing, among other industries.

#### **SOFT GEL: purity guaranteed**

A high-purity mix of mineral oil and polymers, Divyol Soft Gel is perfect for use in the manufacture of cosmetics, baby and hair care products, creams, moisturisers, and palliatives, among other similar products.

#### **SPRAY OIL: a friend to agriculturalists**

Divyol Apple Spray Oil is a horticulture mineral oil is specially formulated to protect apple trees from pest attacks and other species-specific ailments. It is used as an emulsion and sprayed on trees as well as fruits, with no negative side-effects.



## HEAVY LIQUID PARAFFIN

Divyol Heavy Liquid Paraffin Oils are produced from highly refined hydro-cracked / hydro-treated base oil with a high degree of purity to meet IP / BP / USP standards. They have excellent oxidation / UV stability and are suitable for application in pharmaceuticals, cosmetics and food industries for direct and indirect food contact.

Sr. No.	Characteristics	As per IP standards	As per BP standards	As per USP standards
1	Description	Colourless, transparent, oily liquid; free from fluorescence by daylight; almost odourless when cold	Colourless, transparent, oily liquid; free from fluorescence by daylight	Colourless, transparent, oily liquid; free or practically free from fluorescence; odourless and tasteless when cold; emits very faint odour of petroleum when heated
2	Solubility	Complies (practically insoluble in water)	Practically insoluble in water; slightly soluble in ethanol (96%); miscible with hydrocarbons	Insoluble in water and in alcohol; soluble in volatile oils; miscible with most fixed oils except castor oil
3	Identification	–	A) Infrared absorption spectrum is concordant with reference spectrum of liquid paraffin  B) Red in aqueous phase  C) Complies with viscosity test	A) Infrared absorption spectrum is concordant with the IR spectrum obtained from mineral oil reference standard / working standard  B) –  C) Complies with viscosity test
4	Specific gravity	–	–	0.845 – 0.905
5	Acidity / alkalinity	Complies	< 0.1 ml of 0.1 M sodium hydroxide is required	< 1.0 ml of 0.01 N sodium hydroxide is required
6	Dynamic viscosity at 20 °C	110 - 230 mPa-s	–	–
7	Dynamic viscosity	–	110 – 230 mPa-s	–
8	Viscosity	–	–	34.5 – 150.0 cSt
9	Relative density at 25 °C	–	0.827 – 0.890	–
10	Light absorption at 240 – 280 nm	0.10 max.	–	–
11	Readily carbonisable substance	Lower layer remains lighter coloured than standard solution	Lower layer remains lighter coloured than standard solution	The oil may turn hazy but remains colorless, or turns slightly pink or yellow; the acid does not become darker than standard solution
12	Solid paraffins	0.5 mm line visible	0.5 mm wide black line is visible against a white background held vertically behind the tube	0.5 mm wide black line is visible against a white background held vertically behind the bottle
13	Sulphur compounds	Complies	–	Does not turn dark brown
14	Polycyclic aromatic hydrocarbons	N. A.	Absorbance of test solution remains < 1/3rd that of reference solution at 275 nm, throughout 260 – 420 nm wavelengths	Absorbance of sample solution remains < 1/3rd that of standard solution at 275 nm throughout the range of 260 – 350 nm
15	Residual solvents	Complies	Complies	–

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## LIGHT LIQUID PARAFFIN

Divyol Light Liquid Paraffin Oils are produced from highly refined hydro-cracked / hydro-treated base oil with a high degree of purity to meet IP / BP / USP standards. They have excellent oxidation / UV stability and are suitable for application in pharmaceuticals, cosmetics and food industries for direct and indirect food contact.

Sr. No.	Characteristics	As per IP standards	As per BP standards	As per USP standards
1	Description / appearance	Colourless, transparent, oily liquid; free from fluorescence in daylight; almost odourless when cold	Colourless, transparent, oily liquid; free from fluorescence in daylight	Colourless, transparent, oily liquid; free from fluorescence in daylight
2	Solubility	Soluble in chloroform, ether and light petroleum (boiling range 40 – 60 °C); practically insoluble in water and ethanol (95%); miscible with fixed / volatile oils	Practically insoluble in water; partly soluble in ethanol (96%); miscible with hydrocarbons	Insoluble in water and alcohol; soluble in volatile oils; miscible with most fixed oils except castor oil
3	Identification	–	A) Infrared absorption spectrum is concordant with the reference spectrum of liquid paraffin. B) Red in aqueous phase C) Complies with viscosity test	A) Infrared Absorption: Reference Standard B) – C) Complies with viscosity test
4	Specific gravity at 25 °C	–	–	0.818 min.   0.880 max.
5	Viscosity at 40 °C, mm <sup>2</sup> /s	–	–	3 min.   34.4 max.
6	Acidity / alkalinity	Not more than 0.1 ml of 0.1 M sodium hydroxide is required to change the colourless solution into pink	Not more than 0.1 ml of 0.1 M sodium hydroxide is required	Not more than 1 ml of 0.01 N sodium is hydroxide required to change colour of indicator to pink
7	Relative density	0.810 – 0.875	0.810 – 0.875	
8	Viscosity	–	25 – 80 mPa.s	
9	Dynamic viscosity at 20 °C	25 – 80 mPa.s	–	–
10	Polycyclic aromatic hydrocarbons	–	Absorbance of test solution remains < 1/3rd that of reference solution at 275 nm, throughout 260 – 420 nm wavelengths	Pass as per USP
11	Weight per ml at 25 °C	0.820 to 0.880 g	–	–
12	Light absorption at 240 – 280 nm	0.1 max.	–	–
13	Readily carbonisable substance	Complies	Complies	Complies
14	Solid paraffins	Complies	Complies	Complies
15	Sulphur compound	Complies	–	Complies
16	Specific gravity	0.860 – 0.904	–	–

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## MINERAL OILS

### DIVYOL WOP SPECIALTY MINERAL OILS (PARAFFIN OILS / WHITE MINERAL OILS)

Divyol WOP Oils are highly refined hydro-cracked / hydro-treated oils with the highest degree of purity and are stabilized with suitable additives for oxidation / UV stability. These oils are suitable for applications in pharmaceuticals, cosmetics and food industries, for direct and indirect food contact. The following oils are also recommended for polystyrene and thermoplastic industry.

**Quality / Approvals:** Divyol WOP Oils conform to the standards of US FDA 21 CFR 172. 878 for use in or on food for human consumption and as per specifications of US FDA 21 CFR 178.3620 (a) for use as a component of non-food articles intended for use in contact with food for human consumption.

Divyol WOP Oils meet the current standards of NF, Indian Pharmacopoeia (IP), U.S. Pharmacopoeia (USP), British Pharmacopoeia (BP), and European Pharmacopoeia (EP).

**Packaging Options:** Divyol WOP Oils are available in 200-210 liters net HDPE / Steel Drums / IBC & in bulk flexi bags or ISO tanks

#### Typical Specifications of Divyol Mineral Oils:

Sr. No.	Characteristics	Test Method	WOP 60	WOP 70	WOP 80	WOP 90	WOP 100	WOP 150	WOP 180	WOP 200	WOP 250	WOP 350	WOP 500	WOP 600		
1	Appearance	Visual	Transparent clear, colourless, odourless liquid, free from suspended impurities													
2	Colour, Say bolt, min.	ASTM D 156	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30		
3	Density at 25 °C, gm/ml	ASTM D 1298	0.810 – 0.840	0.810 – 0.850	0.820 – 0.860	0.820 – 0.860	0.830 – 0.860	0.830 – 0.860	0.830 – 0.860	0.830 – 0.860	0.830 – 0.860	0.840 – 0.890	0.850 – 0.890	0.850 – 0.890		
4	Kinematic viscosity at 40 °C, cSt	ASTM D 445	7 – 11	11 – 14	13 – 17	14 – 19	19 – 24	27 – 33	32 – 38	39 – 45	40 – 50	64 – 74	80 – 90	90 – 115		
5	Viscosity in SSU, typical	ASTM D 445	60	70	80	90	100	150	180	200	250	350	500	600		
6	Flash point °C min.	ASTM D 92	145	160	170	180	190	210	210	220	230	230	240	250		
7	Pour point, °C max.	ASTM D 97	-18	-18	-18	-18	-18	-15	-15	-15	-15	-12	-12	-12		
8	Carbonisable substance	USP	Complies													
9	Acidity / alkalinity	USP / BP / IP	Complies													
10	Sulphur compounds	USP / BP / IP	Complies													
11	Solid paraffins	USP / BP / IP	Complies													
12	Poly nuclear compounds	FDA 21 CFR 172. 878	Complies													
13	Conforms to US FDA 21 CFR 172.878 & 178.3620(a)	US FDA / USP	Complies													
14	Conforms to USP/ NF	USP / NF	Complies													
15	Conforms to IP / BP	IP / BP	Complies					-	Complies							
Customised Mineral Oil as per customer's requirements are also offered.																

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## DIVYOL WHITE OIL TECH (WOT – SERIES)

Sr. No.	Characteristics	Unit	Method	WOT 60	WOT 70	WOT 80	WOT 100	WOT 150	WOT 200	WOT 250	WOT 350	WOT 500	WOT 600
1	Appearance	–	Visual	Transparent, colourless, odourless, bright and clear oily liquid									
2	Colour, min.	–	ASTM D 156	+ 25	+ 25	+ 25	+ 25	+ 25	+ 25	+ 25	+ 25	+ 25	
3	Colour, max.	–	ASTM D 1500	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
4	Density at 25 °C	gm / cc	ASTM D 1298	0.810 – 0.850	0.810 – 0.850	0.820 – 0.860	0.830 – 0.860	0.830 – 0.860	0.830 – 0.860	0.830 – 0.860	0.840 – 0.870	0.850 – 0.880	0.850 – 0.890
5	Viscosity at 40 °C	cSt	ASTM D 7042	7 – 11	11 – 14	13 – 17	18 – 24	27 – 33	36 – 45	45 – 50	64 – 74	80 – 95	95 – 115
6	Viscosity at 100 °C	cSt	ASTM D 7042	2 – 3	2.5 – 3.5	3.5 – 4.5	4.0 – 5.0	5.0 – 6.0	5.5 – 7.0	6.5 – 8.0	8.0 – 9.5	9.0 – 12	10 – 13
7	Viscosity index, min.	–	ASTM D 2270	90	90	90	100	100	100	100	100	100	100
8	Flash point, min.	°C	ASTM D 92	145	160	175	200	210	210	220	230	240	250
9	Pour point, max.	°C	ASTM D 97	-30	-21	-18	-18	-18	-18	-18	-15	-12	-18
10	Total acid number (Tan), max.	mg KOH/g	ASTM D 974	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Aromatics max.	% wt.	ASTM D 2140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Note: Customised white oil / mineral oils to meet specific requirements are also offered													
Health and safety: Refer MSDS.													

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## SNOW WHITE PETROLEUM JELLY (SWPJ)

**Description:** Divyol Snow White Petroleum Jelly (SWPJ) is a nearly odourless, tasteless, homogenous mixture of a high degree of purity of hydrogenated hydrocarbons.

Divyol Snow White Petroleum Jelly (SWPJ) is available in a wide range of grades to suit various applications.

**Regulatory Information:** Divyol Snow White Petroleum Jellies (SWPJ) are manufactured in an FDA approved, GMP facility and meet the exacting specifications of US Pharmacopoeia (USP), British Pharmacopoeia (BP), European Pharmacopoeia (EP), Indian Pharmacopoeia (IP) and US FDA 21 CFR 172.880.

**Application:** Divyol Snow White Petroleum Jellies (SWPJ) are used as base material in pharmaceutical, cosmetic, healthcare, baby-care and personal care products, besides food processing and other industries.

**Packing:** Available in 18 kg, 45 kg, 170 kg MS / Epoxy drums, 190 kg HDPE drums, ISO tanks and tanker in bulk.

Sr. No.	Characteristics	Test Method	SWPJ 110	SWPJ 150	SWPJ 170	SWPJ 190	SWPJ 210	SWPJ 225	SWPJ 175 (SPL)
1	Description	Visual	Snow white translucent soft mass, unctuous to touch, odourless and tasteless						
2	Color (LOVIBOND) 2" cell	IP 17 / 52	1.0Y max.	1.0Y max.	1.0Y max.	1.0Y max.	1.0Y max.	1.0Y max.	1.0Y max.
3	Color	USP	Complies						
4	Identification	BP	Complies						
5	Congeaing point, °C	ASTM D 938	52 – 56	47 – 52	45 – 52	45 – 50	46 – 50	44 – 48	50 – 56
6	Drop point, °C	BP / EP	54 – 60	50 – 55	48 – 55	50 – 55	50 – 55	48 – 56	54 – 60
7	Drop melting point °C	ASTM D 127 / USP	57 – 65	50 – 60	50 – 60	52 – 60	52 – 60	50 – 60	58 – 68
8	Consistency at 25 °C (dmm)	ASTM D 937 / USP	90 – 120	140 – 160	160 – 180	180 – 200	195 – 215	215 – 235	150 – 190
9	Kinematic viscosity at 100 °C, cSt	ASTM D 445	5.5 – 8.0	5.0 – 7.0	5.0 – 7.0	5.0 – 7.0	5.0 – 7.0	5.0 – 7.0	9.0 – 12.5
10	Specific gravity at 60 °C	USP	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880
11	Acidity or alkalinity	BP / USP	Complies						
12	Polycyclic aromatic hydrocarbon	BP / USP	Complies						
13	Residue on ignition	USP	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%
14	Sulphated ash	BP / EP	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%
15	Organic acids	USP	Complies						
16	Foreign organic matter	IP	Complies						
17	Fixed oils, fats and resin	USP	Complies						
Remarks: Customised products as per individual requirements are also offered.									
Health and safety: Refer MSDS									

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## WHITE PETROLEUM JELLY (WPJ)

**Description:** Divyol White Petroleum Jelly (WPJ) is a nearly odourless, tasteless, homogenous mixture of a high degree of purity of hydrogenated hydrocarbons.

Divyol White Petroleum Jelly (WPJ) is available in a wide range of grades to suit various applications.

**Regulatory Information:** Divyol White Petroleum Jellies (WPJ) are manufactured in an FDA approved, GMP Facility and meets the current standards of US Pharmacopoeia (USP), British Pharmacopoeia (BP), European Pharmacopoeia (EP), Indian Pharmacopoeia (IP) and US FDA 21 CFR 172.880.

**Application:** Divyol White Petroleum Jellies (WPJ) are used as base material in pharmaceutical, cosmetic, healthcare, baby care and personal care products, besides food processing and other industries.

**Packing:** Available in 18 kg, 45 kg, 170 kg MS / Epoxy drums, 190 kg HDPE drums, ISO tanks and tanker in bulk.

Sr. No.	Characteristics	Test Method	WPJ 130	WPJ 150	WPJ 170	WPJ 190	WPJ 210	WPJ 225	WPJ 175 (SPL)
1	Description	Visual	White translucent soft mass, unctuous to touch, odourless and tasteless						
2	Color (LOVIBOND) 2" cell	IP 17 / 52	2.0Y max.						
3	Color	USP	Complies						
4	Identification	BP	Complies						
5	Congeaing point, °C	ASTM D 938	48 – 52	48 – 54	50 – 55	48 – 54	46 – 50	44 – 48	50 – 56
6	Drop point, °C	BP / EP	50 – 56	50 – 58	52 – 58	50 – 58	50 – 56	48 – 56	54 – 60
7	Drop melting point °C	ASTM D 127 / USP	50 – 60	55 – 65	55 – 65	55 – 65	55 – 62	50 – 60	57 – 70
8	Consistency at 25 °C (dmm)	ASTM D 937 / USP	120 – 140	140 – 160	160 – 180	180 – 200	195 – 215	215 – 235	150 – 190
9	Kinematic viscosity at 100 °C, cSt	ASTM D 445	4.0 – 7.0	4.0 – 7.0	5.0 – 7.0	5.0 – 7.0	5.0 – 7.0	5.0 – 7.0	9.0 – 12.5
10	Specific gravity at 60 °C	USP	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880	0.818 – 0.880
11	Acidity or alkalinity	BP / USP	Complies						
12	Polycyclic aromatic hydrocarbon	BP / USP	Complies						
13	Residue on ignition	USP	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%
14	Sulphated ash	BP / EP	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%	< 0.05%
15	Organic acids	USP	Complies						
16	Foreign organic matter	IP	Complies						
17	Fixed oils, fats and resin	USP	Complies						
Remarks: The above products can be supplied in Snow White Petroleum Jelly also with colour values max. 1.0y. Customised products as per individual requirements are also offered									
Health and safety: Refer MSDS									

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## WHITE SOFT PARAFFIN – BP

**Product name:** White Petroleum Jelly

**Product code:** DIVYOL WPJ – BP

**Description:** Divyol White Petroleum Jelly (WPJ) is a nearly odourless, tasteless, homogenous mixture of a high degree of purity of hydrogenated hydrocarbons.

Divyol White Petroleum Jelly (WPJ) is available in a wide range of grades to suit various applications.

**Regulatory Information:** Divyol White Petroleum Jelly (WPJ) is manufactured in an FDA approved GMP facility and meets the current requirements of British Pharmacopoeia (BP).

**Application:** Divyol White Petroleum Jellies (WPJ) is used as base material in pharmaceutical, cosmetic, healthcare, baby care and personal care products, besides food processing and other industries.

**Packing:** Available in 18 kg, 45 kg, 170 kg MS / Epoxy drums, 190 kg HDPE drums, ISO tanks and tanker in bulk.

**Mfg. Licence No.:** KD-511 Dtd. 03.03.13

Sr. No.	Tests	Standards	Typical Values
1	Appearance	White or almost white, translucent, soft unctuous mass, slightly fluorescent in daylight when melted	–
2	Solubility	Practically insoluble in water; slightly soluble in methylene chloride; practically insoluble in ethanol (96%) and glycerol	–
3	Identification		
	First identification A, B, D		
	Second identification A, C, D	A) Drop point 35 – 70 °C and does not differ by more than 5 °C from the value stated on the label. Limit 43 – 53.0 °C	54 °C
	B) The infrared absorption spectrum of the sample is concordant with the IR spectrum obtained from white soft paraffin CRS WS		Complies
	C) The solid upper layer is violet pink		Complies
	D) Complies		Complies
4	Appearance	The sample is white and the melted mass not much different from standard solution	Complies
5	Acidity or alkalinity	Less than 0.5 ml of 0.01 M sodium hydroxide is required	0.024 ml of 0.01 M sodium hydroxide is be required
6	Consistency	60 – 300	170
7	Polycyclic aromatic hydrocarbons	Throughout wavelengths 60 – 420 nm, the absorbance of test solution remains < reference solution's at 278 nm	Complies
8	Sulphated ash	Not more than 0.05 %	0.0005%

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## WHITE PETROLATUM – USP

**Product Name:** White Petrolatum

**Product Code:** Divyol WPJ - USP

**Description:** Divyol White Petrolatum (WPJ) is a nearly odourless, tasteless, homogenous mixture of a high degree of purity of hydrogenated hydrocarbons.

**Divyol White Petrolatum (WPJ)** is available in a wide range of grades to suit various applications.

**Regulatory Information:** DIVYOL White Petrolatum (WPJ) is manufactured in an FDA approved, GMP facility and meets the current standards of US Pharmacopoeia (USP).

**Application:** Divyol White Petrolatum ( WPJ) is used as base material in pharmaceutical, cosmetic, healthcare, baby care and personal care products, besides food processing and other industries.

**Packing:** Available in 18 kg, 45 kg, 170 kg MS / Epoxy Drums, 190 kg HDPE Drums, ISO Tanks and tanker in bulk.

**Mfg. Licence No.:** KD-511 Dtd. 03.03.18

Sr. No.	Tests	Standards	Typical Values
1	Description	White or faintly yellowish, unctuous mass, transparent in thin layers even after cooling to 0 °C	Complies
2	Solubility	Insoluble in water; slightly soluble in cold or hot alcohol and cold dehydrated alcohol; freely soluble in benzene, carbon disulfide and chloroform; soluble in ether, solvent hexane and in most fixed and volatile oils	Complies
3	Color	The warm, melted sample solution is not darker than standard solution	Complies
4	Residue on ignition	< 0.05 %	0.0006%
5	Specific gravity	0.815 – 0.880	0.828
6	Melting range	38 °C – 60 °C	52 °C
7	Alkalinity	Solution does not turn pink	Complies
8	Acidity	No red or pink colour is produced	Complies
9	Organic acids	Not more than 400 µl of 0.1 N sodium hydroxide is required	150 µl of 0.1 N sodium hydroxide is required
10	Fixed oils, fats, and resin	No oily or solid matter separates	Complies
11	Residual solvents	Complies	Complies

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## WHITE SOFT PARAFFIN – IP (WHITE PETROLEUM JELLY)

**Product Name:** White Petroleum Jelly

**Product Code:** DIVYOL WPJ

**Description:** Divyol White Petroleum Jelly (WPJ) is a nearly odourless, tasteless, homogenous mixture of a high degree of purity of hydrogenated hydrocarbons.

Divyol White Petroleum Jelly (WPJ) is available in a wide range of grades to suit various applications.

**Regulatory Information:** Divyol White Petroleum Jellies (WPJ) are manufactured in an FDA approved GMP facility and meet the standards of Indian Pharmacopoeia (IP) 2018.

**Application:** Divyol White Petroleum Jellies (WPJ) are used as base material in pharmaceutical, cosmetics, healthcare, baby care and personal care products, besides food processing and many other industries.

**Packing:** Available in 18 kg, 45 kg, 170 kg MS / Epoxy drums, 190 kg HDPE drums, ISO tanks and tanker in bulk.

**Mfg. Licence No.:** KD-511 Dtd. 03.03.18

Sr. No.	Test	Standard	Typical Values
1	Description	A white, translucent, soft unctuous mass, retaining these characteristics on storage and when melted and allowed to cool without stirring; not more than slightly fluorescent by daylight, even when melted; odourless when rubbed on skin	Complies
2	Solubility	Soluble in chloroform, ether and light petroleum (boiling range 40 °C – 60 °C), the solutions sometimes displaying slight opalescence; practically insoluble in ethanol (95%) and water	Complies
3	Melting range	38 °C – 56 °C	50 °C
4	Acidity or alkalinity	Not more than 0.1 ml of 0.1M sodium hydroxide is required	Complies
5	Light absorption	Absorbance of solution at about 290 nm is not more than 0.5	0.016
6	Fixed oils, fats and resin	No precipitate or oily matter is produced	Complies
7	Foreign organic matter	Volatilises without emitting acrid odour	Complies
8	Consistency	100 – 300	170
9	Sulphated ash	< 0.1 %	0.0028%

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## YELLOW PETROLEUM JELLY

**Product Name:** Yellow Petroleum Jelly

**Product Code:** Divyol YPJ

**Description:** Description: Divyol Yellow Petroleum Jelly (YPJ) is a nearly odourless, tasteless, homogenous mixture of a high degree of purity of hydrogenated hydrocarbons.

Divyol Yellow Petroleum Jelly (YPJ) is available in a wide range of grades to suit various applications.

**Regulatory Information:** Divyol Yellow Petroleum Jellies (YPJ) are manufactured in an FDA approved, GMP facility and meet the current standards of US Pharmacopoeia (USP), British Pharmacopoeia (BP), European Pharmacopoeia (EP), Indian Pharmacopoeia (IP) and US FDA 21 CFR 172.880.

**Application:** Divyol Yellow Petroleum Jellies (YPJ) are used as base material in pharmaceutical, cosmetic, healthcare, baby care and personal care products, besides food processing and other industries.

**Packing:** Available in 18 kg, 45 kg, 170 kg MS / Epoxy Drums, 190 kg HDPE Drums, ISO tanks and tanker in bulk.

Sr. No.	Characteristics	Test Method	YPJ 120	YPJ 150	YPJ 151	YPJ 170	YPJ 190	YPJ 195	YPJ 190 (Amber)
1	Description	Visual	Snow white translucent soft mass, unctuous to touch, odourless and tasteless						
2	Color (LOVIBOND) 2" cell	IP 17 / 52	0- 0.5 R+ 2.0 -3.0Y	R + 5 -10Y	0-2R + 20 -35Y	0-1R + 5 -10Y	0-1R + 10- 15Y	1.3R + 18- 25Y	2-3R +20 -40Y
3	Colour	USP	Complies						
4	Identification	BP	Complies						
5	Congealing point, °C	ASTM D 938	46 – 50	47 – 52	50– 56	45 – 50	50 – 54	47 – 50	46 – 50
6	Drop point, °C	BP / EP	50 - 55	50 – 56	52 – 60	50 – 55	52 – 58	50 – 55	50 - 55
7	Drop melting point °C	ASTM D 127 / USP	52 – 60	54 – 60	55 - 65	52 – 60	55 – 60	54 – 60	50 – 60
8	Consistency at 25 °C dmm	ASTM D 937 / USP	110 – 130	140 – 160	140 - 160	160 - 180	180 - 200	180 – 210	170 – 210
9	Kinematic viscosity at 100 °C, cSt	ASTM D 445	5.5 – 8.0	5.0 – 7.0	5.0 – 7.0	5.0 – 7.0	5.0 – 7.0	11.0 – 13.0	5.0 – 8.0
10	Specific gravity at 60 °C	USP	0.818 - 0.880						
11	Acidity or alkalinity	BP / USP	Complies						
12	Polycyclic aromatic hydrocarbon	BP / USP	Complies						
13	Residue on ignition	USP	< 0.05%						
14	Sulphated ash	BP / EP	< 0.05%						
15	Organic acids	USP	Complies						
16	Foreign organic matter	IP	Complies						
17	Fixed oils, fats and resin	USP	Complies						
Remarks: Customised product to suit customer's specific requirements are also offered									
Health and safety: Refer MSDS									

Disclaimer: Gandhar makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of the product's suitability for the application contemplated by the users is solely their responsibility.

## DIVYOL BANANA SPRAY OIL

**Description:** Divyol Banana Spray Oil (Horticulture Mineral Oil) offers effective protection of banana trees from San Jose scale and other pests. It is designed and formulated with high quality refined base stock (paraffinic) and specially selected additives.

**Applications:** Divyol Banana Spray Oil is sprayed in the form of emulsion (oil-water) on banana trees. Recommended dosage is 1.5 – 2.0% of Divyol (HMO) in water. The spray oil (HMO) emulsion dissolves the waxy protective shield of insects and the oil film envelops it killing the insects by cutting off its air supply.

**Performance:** Divyol Banana Spray Oil (HMO) has excellent emulsification property and controls a wide variety of pests and other diseases affecting banana trees, over a wide range of temperatures and period. Divyol banana spray oil has a biodegradable emulsifier and does not have any phytotoxic effect on the plant, nor does it pollute the soil. It also has very good shelf life.

**Packaging options:** Divyol Banana Spray Oil is available in 200-210 litres net HDPE drums.

### Typical Properties:

Sr. No.	Characteristics	Typical Values
1	Appearance	Transparent clear liquid
2	Colour, ASTM, max.	L 1.0
3	Density at 15 °C, cSt	0.850
4	Kinematic viscosity at 40 °C, cSt	13 – 17
5	Flash point, °C	170
6	Pour point, °C	-15
7	Unsulphonated residue (USR), % Vol	> 95
8	Emulsification with water, 24 hours	Stable emulsion
Health and safety: Divyol Banana Spray Oil is not hazardous under normal conditions of use.		

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## DIVYOL APPLE SPRAY OIL

**Description:** Divyol Apple Spray Oil (Horticulture Mineral Oil) offers effective protection of apples trees from San Jose scale and other pests. It is designed and formulated with high quality refined base stock (paraffinic) and specially selected additives.

**Applications:** Divyol Apple Spray Oil is sprayed in the form of emulsion (oil-water) on apples. Recommended dosage is 1.5 – 2.0% of Divyol (HMO) in water. The spray oil (HMO) emulsion dissolves the waxy protective shield of insects and the oil film envelops it killing the insects by cutting off its air supply.

**Performance:** Divyol Apple Spray Oil (HMO) has excellent emulsification property, and controls a wide variety of pests and other diseases affecting apples, over a wide range of temperatures and period. Divyol Apple Spray Oil has a biodegradable emulsifier and does not have any phytotoxic effect on the plant, nor does it pollute the soil. It also has very good shelf life.

**Packaging options:** Divyol Apple Spray Oil (HMO) is available in 200-210 litres net HDPE drums.

**Typical Properties:**

Sr. No.	Characteristics	Typical Values
1	Appearance	Transparent clear liquid
2	Colour, ASTM, max.	L1.0
3	Density at 15 °C, cSt	0.850
4	Kinematic viscosity at 40 °C, cSt	11 – 17
5	Flash point, °C	170
6	Pour point, °C	-15
7	Unulfonated residue(USR), % Vol	>95
8	Emulsification with water, 24 hours	Stable emulsion
Health and safety: Divyol Spray Oil (HMO) is not hazardous under normal conditions of use.		

Disclaimer: Gandhar makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of the product's suitability for the application contemplated by the users is solely their responsibility.



**Gandhar Oil Refinery (India) Limited**

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, GMP Certified, NABL Accreditation and Government Recognized Three Star Export House

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**Branch Offices and Depots**

Pune | Baroda | Indore | Raipur | Udaipur | Jaipur | Delhi | Faridabad | Ghaziabad | Sonapat | Manesar | Haridwar | Patna | Hyderabad | Mangalore | Bangalore  
Guwahati | Varanasi | Hapur | Dharamtar | Jaigarh | Kandla | Surat (Magdalla) | Navlakhi | Krishnapatnam | Vishakapatnam | Gangavaram

**Plants**

Taloja | Silvassa | Sharjah