



**Goverdhan**
Goverdhan Energy & Petrochemicals Pvt. Ltd.

Fueling the future ...



**Product
Catalogue**

COMPANY PROFILE

Goverdhan Energy & Petrochemicals Pvt. Ltd. (GEPL) was established in Sep'2008 having its regd. office and manufacturing unit at Survey No 218, Opposite Grace Toyota Showroom, Outside Kamptee Road Octroi Naka, Village: Bhilgaon, Nagpur - 440026 and marketing office at Mumbai. The promoter has collectively over 25 years of experience in Petroleum and Petrochemicals industries. We expertise in providing clientproducts and technical services as per their requirement. We cater all the requirement and needs of individual clientacross India vide our highly skilled team. Quality of service and the commitment of the management and its team have ensured that our customer retention rate is amongst the best in industries.The Company with strong financial and has enjoyed the steady financial growth over past years.

PROMOTERS

Promoters have rich experience in the trade of Petroleum and Petrochemicals. Collectively the promoters have over 25 years of experience in the trade. GEPL has been able to garner satisfied clients across the marketing network. With sharp business acumen and mentorship skill of the promoters, GEPL have been successful in registering as a renowned name in petroleum sector.

VISION

A leading and a competitive Petroleum and Petrochemical Marketing Player spread across India with Baskets of Product and association with integrated oil and Gas Corporation Companies of India & International, operating with focus on profitability, environmental sustain ability and social responsibility.

MISSION

To enhance sustainability and growth of Petroleum & Petrochemical Business and marketing of the petroleum products while safeguarding the national interest and guaranteeing higher returns for the nation, through social responsibility and environmentally friendly manner. Further brand building and business expansion into digital technology field.



ACTIVITIES

GEPL is currently dealing in the following products:

- **Petroleum Products :** Furnace Oil (FO) / Light Diesel Oil(LDO) /CBFS/LSHS/C9 Solvent / Pet Coke / Fuel Oil / MTO / LPG/Base Oil, RPO and Lubricants etc.
- Petrochemicals Product: Polypropylene / Polyethylene / LLDPE / PVC and other Polymer's products.
- Manufacturing of Industrial Fuels in the name of Ignite Oil and other solvents.

GEPL is associated with majors Petroleum Manufacturer in India, such as, Reliance Industries Ltd, Indian Oil Corporation Limited, Hindustan Petroleum Corp Limited, Bharat Petroleum Corporation Limited, Nayara Energy Limited Importers, Private Mini Refineries and other authorised dealer and manufacturer etc. Our current marketing network has above 250 Nos of Customer bases across Maharashtra, Chhattisgarh, Madhya Pradesh, Gujrat, Uttar Pradesh, Telangana & Andhra Pradesh. Efficient Management of Marketing & Sales team, GEPL is a professionally managed company and have established its brand Petroleum and Petrochemicals Sector and has an extensive market. GEPL is having 2 Verticals one is Petroleum / Petrochemicals and second is Polymers & Imports

PETROLEUM / PETROCHEMICALS

This division is being looked after by Nilesh Mahajan (Director) having experience of 25 years in Petroleum and supported by professional staff to look after the business expansion and marketing of Furnace Oil, Light Diesel Oil, Mineral Turpentine Oil, Other Manufacturing Product, Packed LPG, Base Oil etc. We are one of the leading players in the Maharashtra, Madhya Pradesh, Telangana, Chhattisgarh region for supply of petroleum products. We are associated with the following companies as a authorised distributor / registered customers:

- Authorised Distributor Reliance Industries Ltd for Furnace Oil / CBFS/ LSHS
- Authorised Distributor Reliance Industries Ltd for Light Diesel Oil.
- Authorised Distributor Reliance Industries Ltd for Pet Coke.
- Authorised Distributor Reliance Industries Ltd for Packed LPG.
- Registered Customer of M/s Hindustan Petroleum Corporation Ltd for Base Oil & RPO.
- Registered Customer of M/s Nayara Energy Ltd for Mineral Turpentine Oil (MTO)/LDO
- Manufacturer of Speciality Product - Heavy Oil / Ignite Oil.





LSHS



LDO



FUEL OIL



BITUMEN



CBFS



FO

PRODUCT INFORMATION

Light Diesel Oil :

Basically LDO (Light Diesel Oil) is termed for medium commercial extracts from crude oil. LDO (Light Diesel Oil) is widely used by various industries in their manufacturing activities for the purpose of generation of heat and power. It has a lower flash point compared to heavier Fuel Oil (FO), for easier ignition.

Light Diesel Oil Uses :

- ◆ Boilers.
- ◆ Furnaces.
- ◆ Air pre-heaters.
- ◆ Lower RPM engines.
- ◆ Lift irrigation pump sets.
- ◆ Fertilizer plants.
- ◆ Bunker.
- ◆ DG set.

Benefits of LDO

- ◆ High colorific value.
- ◆ Less Sulphur.
- ◆ Less viscosity.
- ◆ Free Flow.
- ◆ Fall in class 'C' product



Application Industry :

- ◆ Road Construction / hotmix plant
- ◆ Power Plants.
- ◆ Galvanising plants
- ◆ Food Industry.
- ◆ DG Plants - Deg Sets
- ◆ Pharma Industry - Boiler Application
- ◆ Tyre Industries
- ◆ Heavy Compressors
- ◆ Steel Rolling Mills
- ◆ Hardening / Tempering
- ◆ Ceramic Industries
- ◆ Thermic Fluid Heater.
- ◆ Casting Industries.
- ◆ Textile Industries.

Specification for LDO Oil :

Sl.No.	PARAMETER	SPECIFICATION	STD.METHOD	TYPICAL Range
1	Relative Density @ 15 °C, Kg / m ³	Report	IS 1448(P: 32)	0.82 – 0.925
2	Flash Point (PMC), °C	66 Min	IS 1448(P: 21) 66	66 - 74
3	Viscosity, Kinematic @ 40°C, cSt	2.5 to 15.7 Max.	IS 1448(P: 25) 2.5	5 - 10
4	Ramsbottom Carbon Residue (RCR) , percent by mass	1.50 Max	IS 1448(P: 8)	1.3 – 1.5
5	Copper Strip Corrosion, 3 hrs at 100°C	Not Worse than No. 2	IS 1448(P: 15)	No.1
6	Water content % by Vol.	1.0 Max.	IS 1448(P: 40)	<0.05
7	Sediment % by Mass	0.10 Max.	IS 1448(P: 30)	0.04 – 0.1
8	Ash % by Mass	0.02 Max	IS 1448(P: 4)	0.01 – 0.02
9	Acidity, Inorganic, mg KOH /gm	NIL	IS 1448(P: 2)	Nil
10	Sulphur, Total % by Mass	1.8 Max	IS 1448(P: 33) & P: 35	0.25 – 1.25 max
11	Pour Point, °C	12°C for Winter, Max /21°C for Summer, Max	IS 1448(P: 10)	Minus 3

Reliance Furnace Oil :

Typically it has a calorific value of 10000 cal/gm. The furnaces which are used mainly for heating or pre-heating a large quantity of metal, are the main users of FO. This can be stored in vertical as well as horizontal tanks, above ground or even underground in some cases. The dimensions and capacities of these tanks are predefined in India by CCOE, which is the regulating body for fuel storages.

For direct burning, FO is viscous as well as not suitable for complete combustion. It is pre-heated to 55 degrees Celsius onwards, depending upon application. The flow increases with temperature and it improves the combustion also. A water based scrubber is used in the exhaust chimney of furnace, which arrests considerable amount of carbon suite and improves the emissions.



We are authorised dealer of Reliance Furnace oil & Oil has the following Benefits.

Reliance Furnace oil Benefits :

- ◆ Low Sulphur
- ◆ Low Sediments
- ◆ Lower Metal Contents.
- ◆ Cleaner Fuel
- ◆ High Performance Fuel

Application Industry :

- ◆ Galvanizing Plants.
- ◆ Pharma industry.
- ◆ Extrusion.
- ◆ Road Construction.
- ◆ Plasto Industry.
- ◆ Steel Industry.
- ◆ Explosive Industry.
- ◆ Forging.
- ◆ Metal Industries.
- ◆ Power Plants
- ◆ Rolling Mills.
- ◆ Food Manufacturing.

Uses of Furnace Oil :

- ◆ As fuel for Power Generation in DG Sets
- ◆ As fuel for Boilers / Furnaces / Air pre-heater / Any other Heaters/Analysing Furnace / Casting / Ovens / Forging.
- ◆ Fuel for Bunkering.
- ◆ Fuel/ Feedstock in Fertilizer Plants.

Benefits of Furnace Oil :

- ◆ Cheapest petroleum fuel available - gives most heat per litre at lowest cost.
- ◆ Readily stored - occupies half the space of coal for equivalent heat content.
- ◆ Easily handled, regulated and controlled, High Flash point & no moisture.
- ◆ Less maintenance than coal-fired equipment.
- ◆ Less labour required than with coal, no stoking, ash removal or conveyors required.
- ◆ Less capital expenditure than equivalent coal plant.
- ◆ Clean operation - no fly ash or dust problems, easy smoke control.
- ◆ Longer furnace and boiler life; less depreciation.

Specification for Reliance Furnace Oil :

Sr.No.	TEST	METHOD	UNIT	BIS Specs (IS: 1593 - 1982)	RIL Specs (Typical)
1	Acidity, Inorganic	P: 2	Mg KOH /g	Nil	Nil
2	Ash % wt	P: 4	% wt max	0.1 Max	0.01
3	Flash Point (PMCC)	P:21	Deg C	66 Min	66 Min
4	Kinematic Viscosity@ 50 deg C	P: 25	cst	125 - 180	125 - 180
5	Sediment % wt.	P: 30	% mass	0.25 Max.	0.05
6	Density @ 15/15 deg C	P: 16	gm/cc	to report	1.06
7	Total Sulphur %	IP-336	% mass	4 Max	0.97 - 1.5
8	Water content	P: 40	% vol	1 Max.	0.05
9	Gross Calorific Value	P: 6	Kcal/Kg	to report	10150

Carbon Black Feed Stock (CBFS) :

CBFS is the raw material for manufacture of carbon black, which is used by the tyre industry. A small portion of this product is also used by processors to make various downstream chemicals like Agarbatti Oil, White Oil etc. This is also used for manufacture of Rubber Process Oils. There are two types of CBFS viz. High BMCI type and General type. "BMCI" (Bureau of Mines Correlation Index) effectively measures the degree yield of Carbon Black. The higher the number, the better the yield of Carbon Black. Sulphur content in CBFS reduces the effect of BMCI value. This product is also used in the burning purpose as a fuel as low temperature furnace.

We are authorised dealer of Reliance CBFS oil

CBFS Oil:

Uses of CBFS Oil :

The principal uses of carbon black are as a reinforcing agent in rubber compounds (especially tyres) and as a black pigment in printing inks, surface coatings, paper, and plastics. Two major processes are presently used in the United States to manufacture carbon black, the oil furnace process and the thermal process.

Benefits of CBFS Oil :

- ◆ Low in sulphur.
- ◆ Clean fuel for burning process properties.
- ◆ Good burning properties.
- ◆ Alternative fuel in place of Furnace oil.



Specification for CBFS Oil :

Sr. No.	PARAMETERS	TEST METDOD	UOM	LIMIT	TEST RESULT
1	BMCI #	QAC/CKR/3.260	----	95 MIN	102
2		ASTM D1298	----	1.0070 Min	1.0261
3	Viscosity at 99°C	ASTM D445	cp	15.00 Max	2.62
4	Flash Point (PMCC) #	ASTM D93	°C	----	72
5	Sulphur Total	ASTM D4294	wt%	----	1.02
6	Gross Calorific Value	CALCULATE	kcl/kg	----	10020
7	CCR	ASTM D189	wt%	----	13.28
8	Free water #	ASTM D4176	----	----	Absent
9	Sediment by Extraction	ASTM D473	wt%	----	0.1
10	Asphaltene	ASTM D6560	wt%	15.0 max	7.2

Low Sulphur Heavy Stock (LSHS) :

These products are used in Boilers and Furnaces. These Fuels contain low Sulphur, Sodium and Vanadium due to which it leads to higher maintenance cost. LSHS is widely replacing furnace oil due to low sulphur content, which is very much favourable to environment. It's most clean fuel in higher viscosity grade fuel oil. We are authorised dealer of M/S Reliance Industry for this product.

LSHS Oil Uses :

LSHS is an efficient fuel having higher Calorific value. LSHS is a Class C product, under PESO Classification. Application: It is an environment friendly Industrial Fuel for firing Boilers, Furnaces etc.



Specification for LSHS Oil :

Sr.No.	TEST	UNIT	METHOD	LIMIT	TEST RESULT
1	Acidity, Inorganic	mg KOH /gm	ASTM D 974	Nil	Nil
2	Ash Content	% mass	IS 1448(P: 4)	0.100 Max	0.086
3	Calorific Value(Gross)	kcal/kg	IS 1448(P: 6)	To report	9864
4	Density at 15°C	kg/m3	IS 1448(P: 16)	To report	1077.3
5	Flash Point (PMCC)	°C	IS 1448(P: 21)	76 min	105.0
6	Kinematic Viscosity, at 100°C	cSt	IS 1448(P: 25)	100.0 max	10.42
7	Sediment	% mass	IS 1448(P: 30)	0.25 max	0.10
8	Total Sulphur	% mass	ASTM D 4294	1.000 max	0.995
9	Pour Point	°C	IS 1448(P: 10)	66 max	3
10	Water content	% vol	IS 1448(P: 40)	1.00 max	0.10

Packed LPG :

According to the latest scenario of the Natural Gas Analysis, the Natural Gas market in India is expected to be the one of the fastest growing in the world during the next two decades. Among its segments LPG has made a substantial progress to become the most convenient, cost effective and pollution free means of fuel, especially in the middle class segment. LPG market in India is not at all versatile and competitive.

Reliance Gas focuses on providing instant enrolment and quick hassle-free LPG connection. Over the years, we have enhanced our reputation through customer-centric approach of delivering domestic LPG cylinders to our customers' homes at the hour convenient to them. We offer economical products packed in convenient sizes for consumption suitable to customers. We also launched India's first 100% explosion free and safe composite cylinders which are extremely light weight and corrosion free.



Product Range :

Domestic	Industrial /Commercial
4 KG	15 KG
5 KG	21 KG
10 KG	33 KG VOT/LOT
13.5 KG	45 KG VOT /LOT

4 KG

- ◆ Suited for small and medium sized businesses like food stalls and restaurants.

5 KG

- ◆ 100% explosion small affordable packed size modern cylinders for outings.

10 KG

- ◆ Lightweight cylinders suited for modern household kitchens.

13.5 KG

- ◆ Packed LPG in cylinder available for consumption for 4 to 6 weeks by a family for 3 to 5 members.

21 KG

- ◆ Suited for small sized businesses like food stalls and outlets.
- ◆ Suited for catering and heating businesses.

33 & 45 KG

- ◆ Suited for cooking, heating, hotels, bakeries and catering agencies.
- ◆ Can be used in dairies, hospitals, canteens, food courts and other commercial uses.

33 KG

- ◆ LOT (Liquid Off Take) and VOT (Vapour Off Take) fitted cylinders available for medium sized businesses.
- ◆ It is provided with bulk gas supply and installation solutions.

45 KG

- ◆ It is customized as per the customer's requirement.
- ◆ It is the most versatile fuel and can be used for diversified industrial needs.

Our LOT (Liquid Off Take) and VOT (Vapour Off Take) fitted cylinders find usage in a variety of industrial applications like :

- | | |
|--------------------------|---------------------------------|
| I Furnace heating | I Dye industry |
| I Ceramics | I Ship-wrecking/cutting process |
| I Poultry farming | I Material drying |
| I Food processing | I Steel and iron industry |
| I Annealing in glassware | |

LPG Benefits :

Reliance LPG is a trusted energy source and used in many businesses for its benefits.

- ◆ Cleaning Burning Fuel
- ◆ Less carbon Emissions
- ◆ Burner have a longer life
- ◆ Cost effective
- ◆ Instant and controllable heat
- ◆ Reliable source of energy.
- ◆ LPG can be very connectivity moved
- ◆ Easy storage & refill
- ◆ Economical and efficient fuel
- ◆ Eco friendly Fuel



Specification for Packed LPG :

Sr.No.	Tests	Unit	Method	Limit	TestResults
1	Odour		IS4576:2021 [Section -5.2]	Toreport	Adequate
2	Freewater		IS4576:2021 [Note-9]	None	None
3	Hydrogensulphide(H ₂ S)		ASTMD2420	Pass	Pass
4	Copperstrip corrosion at 40°C for 1hr		IS1448 [P:152]	Not Worse than No 1	Class1
5	Total volatile Sulphur	mg/kg	ASTMD3246	140 Max	10
6	Weathering test	°C	IS1448 [P:72]	2.2 Max	0.4
7	Vapour pressure at 40°C	kPa	IP 432	520 -1050	879
8	Density at 15°C	kg/m ³	IP 432	Toreport	542.3
9	Caustic Test		IS4576:2021 [NOTE-11]	Pass	Pass

Base Oil :

Base oils are one of the specialty products that can be produced by a refinery.

Base oils are not a fuel. They are blendstocks used to formulate a variety of lubricating oils for use in engines and other machinery.

Base oils are produced by extracting and treating high-viscosity material from narrow distillation cuts of vacuum gasoil or vacuum resid. This requires special processing through a number of different units comprising the lubes plant.

Producing base oil is typically very profitable for a refinery, because it allows the refiner to take some of the lowest valued part of crude oil, vacuum gasoil, or vacuum resid, and sell it as a high-valued specialty product. However, base oil production facilities have a relatively high capital cost per barrel, so only a subset of refiners have installed them.



Base Oil Uses :

Base oils find most of their use in automotive products, including engine oils, transmission and gear lubricants, and greases. Other major uses are in process oils and general industrial lubricants. Group I base oils are commonly used in industrial, grease and gear lubricants.

There are three types of base oils: mineral, vegetable, and synthetic. Mineral oil comes from crude oil and the quality depends on the refining process. Lubes made from vegetable oils are called bio lubricants. Synthetic oils are man-made fluids and can be beneficial for use in extreme conditions.

Base Oil Groups :

There are 2 group of Base oil.

Group I

These base oils are less than 90% saturates, more than 0.03% sulfur and have an SAE viscosity index range of 80 to 120. Operating temperature range is from 32 to 150 F. These oils are solvent-refined, which is a simpler refining process, making these the cheapest base oils on the market.

Group II

Group II base oils are defined as containing more than 90% saturates, less than 0.03% sulphur, and have a V.I. of 80 to 120. These base oils are often manufactured by hydrocracking, which is a more complex process than solvent-refining. These oils have better antioxidation properties and have a clearer color than Group I base oils.

Various type of Base Oil :

◆ SN 500 ◆ SN 150 ◆ SN 70

SN 500 Definition :

SN 500 is defined as a light grade base oil at the lower end of the specifications for Grade I light base oils. They are mainly used in lubricant and lubricant additives production. It is a Group I base oil which has undergone solvent refining and dewaxing processes. To finish the refining it was hydrogen treated to clear out any impurities

Application Industry :

Base Oil SN 500 works as a base stock for several industrial lubricants.

- ◆ Engine oils
- ◆ Transmission fluids
- ◆ Gear oils
- ◆ Metal working fluids
- ◆ Greases
- ◆ Hydraulic oils
- ◆ Transformer oils

SN 500 Uses :

- ◆ Motor oil.
- ◆ Industrial oil.
- ◆ Lubricating greases.
- ◆ Metal processing fluids.
- ◆ Additives.
- ◆ Hydraulic oils.
- ◆ Transformer oils.
- ◆ Coating.

SN 500 Technical Specifications

Test items	Test Method	Test Results
Appearance	Visual	Bright & Clear
Colour	ASTM D 1500
Density @ 30 C	ASTM D 1298	0.885 – 0.890
Kinematic Viscosity @ 40C	ASTM D 445	97.5 – 102.0
Kinematic Viscosity @ 100 C	ASTM D 445	10.5 – 11.5
Viscosity Index	ASTM D 2270	89.0 – 92.0
Flash Point , C	ASTM D 92	225 – 235
Pour Point , C	ASTM D 97	-3



SN 150 Definition :

Base oil SN 150 is known as a light grade base oil at the lower end of the specifications for Grade I light base oils. It is mostly used in lubricant and lubricant additives production. It is a Group I base oil which has undergone solvent refining processes. To finish the refining it was hydrogen treated to clear out any impurities.

Applications Industry :

Base oil SN-150 works as a base stock for several industrial lubricants.

- ◆ General purpose oils
- ◆ Mould oil
- ◆ Transmission fluids
- ◆ Gear oils
- ◆ Metal working fluids
- ◆ Additives
- ◆ Hydraulic oils
- ◆ Transformer oils

SN 150 Uses :

- ◆ Base oil SN 150 is intended for use in lubricants production.



SN 150 Technical Specifications

Test items	Test Method	Test Results
Appearance	Visual	Bright & Clear
Colour	ASTM D 1500	2.0 – 2.2
Density @ 30 C	ASTM D 1298	0.870
Kinematic Viscosity @ 40C	ASTM D 445	30.0 – 31.54
Kinematic Viscosity @ 100 C	ASTM D 445	5.0 – 5.5
Viscosity Index	ASTM D 2270	90 – 92
Flash Point , C	ASTM D 92	200 – 210
Pour Point , C	ASTM D 97	-3

SN 70 Definition :

Base oil SN-70 is specialty; suitable for the replacement of Group I base oils in the above-mentioned industrial and metalworking oil applications.

Applications Industry :

- ◆ Metal Cutting and Removal Fluids.
- ◆ Metal Forming Fluids.
- ◆ Industrial Lubricants.

SN 70 Uses :

- ◆ Applications include neat oils for grinding, honing and lapping; for turning and sawing and easy drilling operations, for high-speed broaching and light duty gear shaving.

SN 70 Technical Specifications

Test Parameter	Unit	Test Values Min	Test Values Max	Test Method
Viscosity @ 100°C	cSt	2.8	3.6	ASTM D445
Viscosity Index	–	92	99	ASTM D445
Color	–	0.5	1	ASTM D1500
Flash Point	°C	–	180	ASTM D92
Pour Point	°C	-3	9	ASTM D97
Density @ 15°C	g/ml	0.855	0.875	ASTM D1298

Specification for Base Oil :

Sl.No.	Characteristic	Units	SN70	SN-150	SN-500	Bright Stock	Test Method
1	Kinematic viscosity at 100°C	cSt	---	4.4 - 5.6	9.7 - 12.0	min. 28	ASTM D-445
2	Kinematic viscosity at 40°C	cSt	12-15	28 - 32	90 - 105	-	ASTM D-445
3	Viscosity index (VI)	-	90	95 - 100	95 - 100	min. 95	ASTM D-2270
4	Flash Point	°C	160	min. 195	min. 210	min. 276	ASTM D-92
5	Sulphur Content	%Wt	--	0.15 - 0.60	0.15 - 0.60	0.15 - 0.60	ASTM D-2622
6	Pour Point	°C	-4	max. -6	max. -6	max. -9	ASTM D-97
7	Density @ 15°C	Kg/L	0.835	0.870 - 0.890	0.885 - 0.895	0.900 - 0.910	ASTM D-1298
8	Color	-	<2	max. 2	max. 2	max. 2	ASTM D-1500
9	TAN	mg KOH/g		max. 0.05	max. 0.05	max. 0.05	ASTM D-664
10	Carbon Residue Content	%Wt		0.04	0.12	0.21	ASTM D-189

Rubber Process (RPO)

Rubber process oil, or naphthenic oil as it is called, is used during the mixing of rubber compounds. It is also used to produce products from a rubber band, huge and even small toys. The rubber process oil composition with a kinematic viscosity at 100 °C and contains less than 3% Polynuclear aromatic compounds. They are further processed as process oil for rubber compounds, incredibly aromatic rubbers. Rubber process oil is used throughout a mix of rubber compounds.



RPO Uses :

Petroleum oils (Aromatic, Paraffinic & Naphtanic) are used extensively in the manufacture of almost all rubber products; depending on the end use & the type of polymers. It may be aromatic, paraffinic or naphthenic. They act as processing aid for end rubber product.

ELASTO 165, 245, 255 :

Application areas :

ELASTO 165 is suitable for use in EPDM RUBBERS. ELASTO 245 is particularly suitable for use in butyl and ethylene propylene rubbers and light coloured rubbers. ELASTO 255 is specially developed for shoe sole applications.

Detail Description

Rubber process oils can be broadly classified into three basic groups depending on the physical arrangement of the carbon atoms namely, paraffinic, naphthenic and aromatics.

All petroleum oils are mixtures of various hydrocarbon groups and their classification is arbitrary and is based on the predominance of a particular hydrocarbon group.

HP ELASTO 165,245 and 255 are predominantly paraffinic rubber process oils suitable for use as plasticizers. ELASTO 165 and 255 are highly paraffinic.

Performance benefits :

Adequate miscibility

Physico-chemical properties			
PROPERTIES	TYPICAL VALUES		
	HP ELASTO 165	HP ELASTO 245	HP ELASTO 255
Kinematic Viscosity @ 40 °C, Cst	85-107	28-31	14-18
Aniline Point, °C Min	107-118	95	96
Flash Point, °C, Coc, Min	225	190	230
Copper Corrosion @100 °C, 3Hrs, Max		1	1
Clay Gelanalysis		NIL	
Asphaltenes, % Wt		0.6	
Polar Compounds, % Wt		0.6	
Aromatics, % Wt		20.3	
Saturates, % Wt		79.1	



ELASTO 215 / 216 :

Detail Description :

High viscosity paraffinic rubber process oil which can be used by rubber industry where oil resistant to heat aging and with very low volatility is required.

Physico-chemical properties			
PROPERTIES	TYPICAL VALUES		
Appearance	Bright and Clear	Pour Point, °C	-6
Aniline Point, °C	115 -131	Neutralisation Number, mg KOH/gm	0.05
Flash Point, coc, °C	292	Kinematic Viscosity @ 40°C, cSt	507
		Kinematic Viscosity @ 100°C, cSt	29.8 - 33.0
		Viscosity Index	95

ELASTO 541 :

Application areas :

ELASTO 541 is suitable as general purpose oil in manufacture of footwear, moulded & extruded rubber goods.

Detail Description :

ELASTO 541 is naphthenic type of rubber process oil suitable as general purpose rubber oil.

Performance benefits :

- I Adequate miscibility.
- I Excellent plasticizing properties.

Physico-chemical properties	
PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @ 40 °C, Cst	18-23
Aniline Point, °C Min	78-88
Flash Point, °C, Coc, Min	160
Copper Corrosion @ 100°C, 3Hrs, Max	1
Clay Gelanalysis	-
Asphaltenes, % Wt	NIL
Polar Compounds, % Wt	2.3
Aromatics, % Wt	46.7
Saturates, % Wt	51

ELASTO 710 :

Application areas :

Suitable for use in manufacture of automobile rubber tyres, belting, battery case etc. Where colour is not an important parameter.

Detail Description :

ELASTO 710 is aromatic type of rubber process oil with good solvency. The oil is dark in colour and has good solvency. It is compatible with most rubber polymer.

Performance benefits :

- I Adequate miscibility.
- I Excellent plasticizing properties.

Physico-chemical properties	
PROPERTIES	TYPICAL VALUES
Viscosity, Cst @ 100°C	20 - 28.5
Flash Point (Coc) , °C	218
Aniline Point, °C	39.3-52
Pour Point °C Max	37
Clay Gelanalysis ASTM D 2007	
Asphalteness Wt %	Less Than 0.1
Polar Compounds Wt %	9.2
Aromatics Wt%	66.5
Saturates Wt %	24.3

MINERAL TURPENTINE OIL :

Mineral Turpentine (Laws), is a special boiling point spirit meeting Solvent 149/225 under BIS 1745-1978. It is also known in various names like spirit, White spirit and Turpentine.

This consists of volatile fraction derived from petroleum and is composed essentially of paraffinic, naphthenic and aromatic hydrocarbons in varying proportions. This is clear, water-white in color. MTO's Solvent power is used to dissolve say resins, rubber, and bitumen and also to reduce the viscosity of the solutions produced.



Mineral Turpentine Oil Uses :

- ◆ In the manufacture of surface coatings like paints, varnishes, lacquers
- ◆ In dry cleaning
- ◆ In textile printing with pigment colors
- ◆ Solvent for metal and machine degreasing
- ◆ Thinner for oil soluble rust preventive
- ◆ Solvent for insecticidal formulation
- ◆ Thinner for lithographic varnishes
- ◆ Diluents for many types of water proofing
- ◆ Mothproofing, binding and sealing compounds
- ◆ Solvent for wax, rubber and resins in the manufacture of electrical insulating compounds
- ◆ Solvent in the preparation of bituminous paints, scouring agent for raw wool
- ◆ Thinner for oil-cloth manufacture.



Specifications for Mineral Turpentine Oil :

Sl.No.	PARAMETER	METHOD	SPECIFICATION	Test Method
1	Density @ 15°C, g/ml	IS 1448 P :16	To be reported	(P:16)
2	Colour (Saybolt) Min	IS 1448 P :14	+ 20	(P:14)
3	Flash Point (Abel), °C, Min	IS 1448 P :20	Min 35	(P:20)
4	Copper Strip Corrosion (3 hrs. @ 50°C)	IS 1448 P :15	Not worse than No. 1	(P:15)
5	Residue on evaporation, mg/100 ml	IS 1448 P :29	Max 5	(P:29)
6	Distillation Range :	IS 1448 P :18 /ASTM D 86		
A	Initial Boiling Point, °C		Min 145	---
B	50 %v evaporated @, °C		To be reported	---
C	95 %v evaporated @, °C		To be reported	---
D	Dry Point °C		205	---
7	Final Boiling Point, °C		Max 215	
8	Aromatic content, % vol	IS 1448 P :23	Max 40	(P:23 or 48)

C9 :

C9 fraction (liquid pyrolysis products) is a mixture of aromatic (59%) and unsaturated hydrocarbons, a by-product of ethylene plants obtained during the pyrolysis of hydrocarbon gases, petrol, diesel oil and their mixtures.

C9 Uses :

The products will serve a broad range of industries and applications like Paints and Coatings, Printing Inks and Reducers, Offset inks, Agro-chemicals, Surfactants, Emulsifiers, Oil Field Chemicals, Foundry Chemicals, Water Treatment Chemicals, Disinfectants, Wash Oils,, etc. The emphasis is on significant value addition through development of specialty chemicals and niche products.

Sl.No.	PARAMETER	TEST METHOD	SPECIFICATION	TEST RESULT
1	Specific Gravity @ 15.6°C.	ASTM D1298	NA 0.8900 TO 0.8950	0.9080
2	Flash Point	ASTM D93	°C 32 TO 66	42
3	Distillation IBP	ASTM D86	°C 150 MIN	156
4	Distillation FBP	ASTM D86	°C 270 MAX	229
5	ASH Content	IS 3321	Wt. PpM 50 MAX	18
6	Total Aromatics	UOP 915	Wt % 75.0 MIN	98.73
7	Total Non-Aromatics	UOP 915	Wt % 25.00 MAX	1.27
8	Gross Calorific Value		Kcal/kg 10500 TO 12000	10571

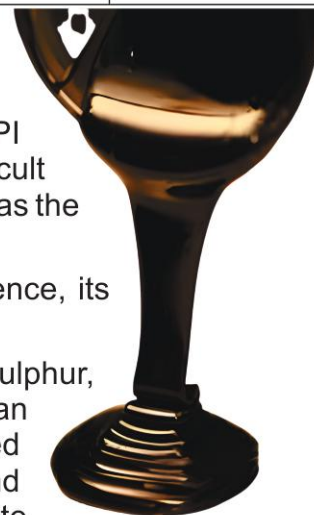
HEAVY OIL :

Simply defined, heavy oil is liquid petroleum of less than 20° API gravity. It has a high viscosity which keeps it from easily flowing. Its difficult transportation is also due to the lower ratio of hydrogen to carbon as well as the presence of other minerals.

The main difference between light and heavy oil is the density and hence, its ability to flow.

Heavy oil is asphaltic, dense, and contains very large molecules of sulphur, resins, and metals found within oil, adding to its heavy density. Also, it can sometimes contain waxes and carbon residues which should be removed

before refining oil. It is crucial to understand heavy oil's properties to develop and operate efficient processes to extract oil from the ground.



Heavy Oil Uses :

Heavy crude oil provides feedstock for plastics, petrochemicals, other fuels and road surfacing. Heavy oil can also be refined into transportation fuels.

Specifications for Heavy Oil :

SN	Parameter	Test Method (as per IS 1448)	Result
1	Acidity ,Inorganic Mg KOH /gm	P:2	Nil
2	Ash % by mass, Max.	P:4	0.1
3	Gross Calorific Value	P:7	10500
4	Relative Density at 15 deg in gm/ml	P:32	0.99
5	Flash Point PMCC Deg C Max.	P:21	240
6	Kinematic Viscosity at 50 Deg cst	P:25	250

IGNITE OIL :

Ignite Oil [is an Industrial grade fuel developed with an objective to deliver value for money, easy to use in substitute of HSD, LDO & Furnace Oil. Ignite oil is a ideal burning fuel mainly used in Boilers, Kiln Operation, Thermal Fluid Heaters, Hot mix Plants, Various Furnaces etc.

Ignite falls under Class "C" fuel having Flash Point above 66 ". It is a blend of distillate component, additives, various mineral oil and a small amount of residual components.

Ignite Oil [is widely being used in many Plants like Galvanizing , Rolling Mills, Boilers, Sponge Iron, Power Plants, Steel .Plants ,Cement Plants, Hot mix etc. Its properties are more or less similar to LDO, its best suitable product being ever produced as substitute of LDO & Furnace Oil. Customers are also using this product in place of HSD for industrial purpose.

We are manufacturing 3 Grades ignite Oil and the following is the broad application

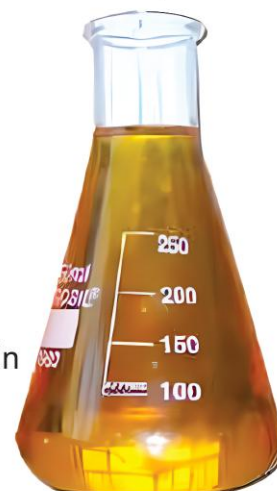
1. **Ignite Oil - I** - For critical and sophisticated boiler / burning purpose. Very less Viscous
2. **Ignite Oil - II** - For less sophisticated boiler / furnaces , where more heating is required as compared to Ignite Oil - I, alternate to LDO, comparatively viscous as compared to Ignite Oil - I
3. **Ignite Oil - III** - Any type of Furnaces, Bhatti is being used in place of Furnace Oil (Medium Viscous, but lesser sulphur content)

Benefits of Ignite Oil :

- Economical
- Easy to handle
- No Fee Flow
- Sharp and Uniform Flame
- Direct Fire
- Economical.
- No Slogging of Boiler Tube.
- Less Sulphur

Advantage :

- Cost Effective.
- Ash Content almost Nil.
- No-Preheating is needed.
- Suitable for all types of Burners.
- Higher Calorific Value.
- Free Flow without any blockages in Nozzle.
- Lesser Sulphur content.



Specifications for Ignite Oil :

Sl.No.	Requirements	Test Method (IS 1448)	Ignite Oil- Range	Ignite Oil-II Range	Ignite Oil-III Range
1	Color		Brown /Light Greenish	Dark Brown / Light Black	Black
2	Acidity, Inorganic mg KOH/gm	P:2	Nil	Nil	Nil
3	Ash % by mass, max	P:4	0.01 to 0.02	0.01 to 0.02	0.01 to 0.02
4	Carbon Residue, Rams bottom on 10% residue, % by mass, max (On Whole Sample)	P:8	0.5-1	1-1.5	1.5 -2
5	Calorific Value (Kcal / Kg) K cal		10500 +	10200 +	9950 +
6	Pour Point °C, max (Note 4)	P:10	<-5.0 Deg	<-5.0 Deg	<-5.0 Deg
	Flash point (Note 5) Pensky Martens, °C, Min. 7	P:21	66 - 78	66-78	66 - 100
8	Kinematic Viscosity CST at 40 °C	P:25	3.0 to 10.0	3 To 10	90 to 180
9	Sediments % by mass, Max.	P:30	0.1	0.1	0.1
10	Density at 15 °C, kg/m ³	P:16	820 – 87	880 – 930	930 - 990
11	Total Sulfur % by mass, Max. (Note 8)	P:33	0.05 to 1	Less than 1.0	Less than 2.0
12	Water content, % by vol. Max.	P:40	Nil	Nil	Nil

PET COKE RAW (Petroleum Coke) :

Petroleum coke is a carbonaceous product obtained in the oil refining process. It is abbreviated as Coke or Petcoke, and is a carbon-rich solid material derived from final cracking process - a thermo-based chemical engineering process that splits long chain hydrocarbons of petroleum into shorter chains- that takes place in coker units. There are two distinctive grades of Petroleum Coke viz. Calcinable or Green Petcoke and Fuel Grade Petcoke.



Benefits of Pet Coke:

- ◆ Petcoke is a direct replacement of coal as a fuel but has higher calorific value (>7800Kcal/Kg as compared to 3500-4500 Kcal/Kg for coal).
- ◆ Petcoke is hydrophobic as compared to coal which is hydrophilic, thereby having edge during

rainy season.

- ◆ Being solid fuel, Petcoke has low volatile matter thus no evaporation losses. Helps saving in transportation cost due to higher density compared to liquid fuels.
- ◆ Low ash content.

Specification for Pet Coke :

Sl.No.	Property	Unit	Petcoke Grade A Guaranteed Limits	Petcoke Grade B Guaranteed Limits	Petcoke Grade C Guaranteed Limits	Typical Characteristics
1	Total Moisture/Air Dried Basis	%	8.0, max	8.0, max	8.0, max	4.0, max
2	Ash	%	1.0, max	1.0, max	1.0, max	0.6 – 0.8
3	Volatile Matter	%	8 min	8 min	8 min	9 – 11
4	Fixed Carbon	%	87, min	87, min	87, min	87 - 89
5	Gross Calorific Value	%	8200, min	8200, min	8200, min	8300 – 8500
6	Sulphur	Kcal/	7.0, max	7.5, max	8.5, max	7.0 – 7.5 Grade B/7.5 – 8.5 Grade C /38 – 45 for Grade
7	HGI	kg	35, min	35, min		A & Grade B

We have a Petroleum Storage Facility at Kamptee Road Nagpur (Maharashtra) and Chindwada (Madhya Pradesh) and following approvals / licence is available.

Storage Capacity :

- At Nagpur Depot : 435 KL (Class A – 125 KL, Class B – 135 KL and Class C – 175 KL)
- At Chindwada : 50 KL (Class B)

Licences :

- Explosive Licence
- Solvent, Raffinate and Slop (**Acquisition, Sale, Storage and Prevention of use in Automobile**) Order, 2000

POLYMERS & IMPORT

This Division is being look after by Mr Kapil Chandak (Director), having experience of 50 years Petroleum Business in heritance and Mr Navneet Damani (Director), having 10 years' experience in Polymer Business, he is exclusively handling IOCL Polymer business.

GEPL is having first hand selling experience of Polymer product such Poly Polypropylene (P.P), Poly Ethylene PE (LLDP / HDPE) and PVC Grades. We are authorised Del Cadre Associates / Company Stockist M/s Indian Oil Corp Limited for Entire Maharashtra / Daman / Silvassa & Goa, we are having Indian Oil Authorised supply point at Nagpur / Aurangabad / Daman / Mumbai.

Moreover, we are also regular importer of PVS grade Polymer through our International Manufacturer / Supplier, we are registered vendor of known and most valued International Companies:

- Formosa Plastic Corporation Taiwan
- Thai Polyester Company (TPC), Thailand
- Sulfindo, Indonesia
- Marubeni Corporation, Japan

GEPL has captured a good market across the Maharashtra, Raipur, Daman Regions. We are having authorised supply point at Nagpur / Aurangabad / Daman / Mumbai.

FINANCIALS

GEPL has shown a tremendous increase in its operations. The sales turnover has touched Rs 537 Crores over a span of its operations. The current financials show a net worth of more than 8 Crores.

Financial Year	Net Worth (Rs in Lakhs)	Turnover (Rs in Lakhs)
2018-2019	1,013	40,429
2019-2020	1,108	53,772
2020-2021	1,226	66,930
2021-2022	1,443	92,145

SALES & MARKETING

Team GEPL is young and dynamic and are guided by the industry veterans. The day-to-day coordination is carried out by the Team Leader under the guidance of the Directors. We are currently having an ambitious, highly paid and highly-skilled sales and marketing manager with a track record of exceptional, transformative management practices. They are playing lead role in increasing sales and network, inspire and motivate junior employees, and optimize our company's market share. GEPL is on the verge of expanding its team with the specific target to increase the market share and expand its presence. The sales executives have immense experience in Polymer / Petrochemical / Petroleum products.

Petroleum Team is head by Mr Nilesh Mahajan (Bachelor in Engineering and MBA from Symbiosis) having 25 years Sales Experience, after worked with Hindustan Petroleum Corporation Limited for 14 years in various field like Operation / Projects / Retail Sales / Direct Sales gained experience in different marketing experts, product knowledge, refining process, retail and direct sales, market expansion, the mix of knowledge are the strength of the Company and its sales teams working under him.

Polymer Team is headed Kapil Rajkumar Chandak (Graduation from Singapore University), with strong petroleum background of 50 years of experienced, have gained 10 years of working knowledge into polymers and imports. He had placed organisation into one of the leading companies in Polymer trades. He is dynamic, work centric, Effective Team leader focussed and expertise in expansion of business with optimum utilisations of funds.

ACCOUNTING & FINANCE TEAM

The entire accounting work is being handled under the guidance of Mr Rajratan Kothari, CA, Mumbai and its team. GEPL maintains highest standards in the policies and accounting procedure and ensure all statutory compliances.

HR & ADMINISTRATIONS

Our HR & Administration team is well aware about the company policies and goals, they are taking proper care of the employees and efforts are made to motivate the team for driving force.

We are ensuring compliance of the labour act and maintenance of the wages record as well. We are having strength of 39 Employees spread across the network and all are covered under PF / ESIC. We are carrying out the technical visit to the customers for educating the proper use of the product and quality of the product. We are also providing the back up support to the customers in case of any complaints about the product and services. We are also planning to expand the network of the company and marketing area to grab more market share. Our operation team is well aware about the Fire Safety operations and they are being trained and regular Fire Drill is the part of their professional.



INFRASTRUCTURE DETAILS

Registered Office and Manufacturing Plant :

Nagpur : Survey No 218, Opposite Tata Jaika Showroom, Near Naglok, Outside Kamptee Road, Octroi Naka, Village: Bhilgaon, Post: Khairi Via Uppalwadi. Nagpur - 440 026

Corporate Office :

Mumbai : Shop No. 23 Sai Classic Building, 90 Feet Road, Opp. Sabnis Hospital, Gavanpada, Mulund (E), Mumbai - 400 081

Warehouse Premises :

Nagpur : Survey No 218, Opposite Tata Jaika Showroom, Near Naglok, Outside Kamptee Road, Octroi Naka, Village: Bhilgaon, Post: Khairi Via Uppalwadi. Nagpur - 440 026

Nagpur : Survey No. 107/2, Ward No. 3, Waddhamana, Hingna, Nagpur - 440 023

Mumbai : Godown No 298/8 & 298/9, National Compound, Village Rahnel, Behind Reliance Petrol Pump, Thane - Bhivandi Road, Bhivandi - 421 302

Raipur : Kh No 253/4, 253 /7 at Sejbahar Road, Boriya Khurd, Raipur.

Aurangabad : Plot No 21, Gat No 53, Village Shahjapur, Aurangabad.

Chindwada (M.P) : Kh No 157/01, Saikheda, Tahsil. Saunsar, Dist.: Chindwada

Daman : Gala No. 1, Survey No. 559/2 to 559/4, Village: Dabhel, Nani Daman, Daman

Pune : Shed No. 1, GAT No. 162/1, Behind Shell Petrol Pump, Pune Nasik Highway, Kuruli, Tahsil: Khed. Dist.: Pune - 410 501.





Goverdhan Goverdhan Energy & Petrochemicals Pvt. Ltd.



Office / Registered Address :

F-05, Plot No.50/A, "Chintamani Apartment", Hill Road,
Gokulpeth, Nagpur - 440 010. (MAHARASHTRA)



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