



Speciality Oils & Lubricants

**Powerzone Oil Refinery Pvt. Ltd.**

*Transforming Power into Oil*

[www.powerzoneoil.com](http://www.powerzoneoil.com)

**POWERZONE®**  
Transformer Oil  
IS : 335 : 1993



## Powerzone Transformer Oil –ISI marked.



**POWERZONE Transformer Oil** finds extensive usage in power transformers, oil immersed circuit breakers and switchgears etc. We are counted among the top Manufacturers, Exporters and Suppliers of Transformer Oil from Haryana, India. Our Transformer Oil is regularly tested at our fully equipped laboratory and is also periodically checked at reputed independent laboratories recognized by the Government.

The Transformer Oil that we offer confirms various standards such as IEC -296 Class I, BS 148 Class I, VDEO 370, DIN 57370 : 1978 Class A, IFC 296 Class II, BS 148 Class II, ASTM d 3487 Type – I and **IS : 335 : 1993**.

**POWERZONE Transformer Oil - ISI marked** approved by “Bureau of Indian standard and conform to IS-335:1993”. The company have got recognition from almost all the electricity utilities throughout the country like State Electricity Boards, Transformer Manufacturers, Giant Industries, Mahanadi Coal Fields Limited, Delhi Jal Board, NTPC, Cordite Factory Niligris Ministry of Defence, Tamilnadu, IVRI, Izzatnagar, IAF, AAI, JNU, JNPT Mumbai, NTPC, SECL, WCL and many more utilities.

**Note :- The above data is indicated of recent overage values only. Minor variation which does not affect product performance of quality may be expected in manufacture.**

### Properties :-

- Good dielectric properties resulting in minimum power loss.
- High resistivity gives better insulation values between windings.
- High flash point resulting in low evaporation losses due to high thermal stability.
- Excellent interfacial tension for quick water separation.
- Proven resistance to electrical stresses.
- High electrical strength.
- Low viscosity improves cooling.
- Remarkably low sludge & acidity formation in both ageing & oxidation tests.
- Gives longer life to oil and equipment during storage and service.

❖ **Applications :**

- POWERZONE Transformer oil are widely used in Transformers, oil immersed circuit breakers and switchgears.
- POWERZONE transformer oil are widely used in special transformers designed to operate at elevated temperatures and in low maintenance free transformers designed to operate for longer periods.
- **Supply :** POWERZONE Transformer oil are available in a variety of packing options to suit customer needs, ranging from Cans, Drums, Tank Trucks, ISO Tank Containers and Flexi Bags, Bulk transportation is done via a wholly owned dedicated fleet of stainless steel and elicited tankers to ensure prompt delivery and reliability.

# Technical Specification :

## Guaranteed Technical Data Sheet

Transformer oil IS-335:1993 IV Rev. Reaffirmed 2005

SL.	CHARACTERISTICS	STANDARD VALUE AS PER IS-335:93	TYPICAL VALUE	TEST METHODS
1.	Appearance	The oil shall be clear and transparent and free from suspended matter and sediments	The oil is clear transparent and free from suspended matter and sediments	A representative sample of oil shall be examined in 100mm thick layer at 20°C
2.	Density g/cm; at 29.5 °C , Max	0.89	<b>0.830 MAX</b>	<b>IS:1448 P-16</b>
3.	Kinematic viscosity, cst. , Max. at 27 ° C at 40° C	27 under consideration	<b>13.0 MAX</b> --	<b>IS:1448 P-25</b>
4.	Interfacial tension, N/M at 27° C, Min.	0.04	<b>0.048</b>	<b>IS:6104-1970</b>
5.	Flash Point, Pensky-Marten (Closed), °C, Min.	140	<b>145 MIN</b>	<b>IS:1448 P-21</b>
6.	Pour point, ° C Max.	-6	<b>-15</b>	<b>IS:1448 P-10</b>
7.	Neutralization Value, Max. (a) Total Acidity, mg. KOH/gm (b) Inorganic acidity/ alkalinity	0.03 Nil	<b>0.03 MIN</b> <b>NIL</b>	<b>IS:1448 P-2</b>
8.	Corrosive Sulphur Copper strips, 19 hrs at 140 °C,	Non corrosive	<b>Non-Corrosive</b>	<b>Annex.B IS:335</b>
9.	Electric Strength ( Breakdown Voltage), KV (rms) (a) New unfiltered Oil (b) After filtration	30 The oil shall be filtered if above value not attained to 60 kv	<b>50</b> <b>62</b>	<b>IS:6792-1972</b>
10.	Dielectric dissipation factor (tan Delta) at 90°C Max..	0.002	<b>0.0007</b>	<b>IS:6262-1971</b>
11.	Specific resistance (resistivity) , ohm-cm, (a) At 90°C , min (b) At 27° C , min	35X10 <sup>12</sup> 1500X10 <sup>12</sup>	<b>105X10<sup>12</sup></b> <b>1840X10<sup>12</sup></b>	<b>IS:6103-1971</b>
12.	Oxidation Stability: (a) Neutrilation value , after oxidation for 164 Hrs at 100 Deg. C mg KOH/gm, max. (b) Total sludge, 164 Hrs at 100° C wt. %, max.	0.40 0.10	<b>0.10</b> <b>0.02</b>	<b>ANNEX C OF IS:335</b>
13.	Accelerated ageing test (open beaker Method with copper catalyst) 96 Hrs at 115°C (a) Specific resistance (resistivity ) ohm-cm at 27° C , Min (b) Specific resistance (resistivity ) ohm-cm at 90° C , Min (c) Dielectric dissipation factor (tan delta) at 90° C , Max (d) Total acidity, mg KOH/gm , Max (e) Total Sludge value % wt. , Max	2.5X10 <sup>12</sup> 0.2X10 <sup>12</sup> 0.20 0.05 0.05	<b>2.96X10<sup>12</sup></b> <b>.81X10<sup>12</sup></b> <b>0.10</b> <b>NIL</b> <b>NIL</b>	<b>IS:6103</b> <b>IS:6103</b> <b>IS:6262</b> <b>IS:1448 P-2</b> <b>IS:12172</b>
14.	Presence of oxidation inhibitor	Oil shall not contain any antioxidant additives	<b>Not present</b>	<b>IS:13631:1992</b>
15.	Water content, ppm, Max	50	<b>17</b>	<b>IS:13567:1992</b>

Remarks: Materials conform to IS-335:1993 Reaffirmed 2005

Note: The above is guaranteed and may vary batch to batch but it will be within IS specification



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## Powerzone White Mineral Oil



**Powerzone White Mineral Oil** offered by us is free from all kinds of impurities. Thus, it is 100% safe to use by supplying such quality, we have become the sought after Manufacturer, Exporter and Supplier of White Mineral Oil from Delhi, India. Moreover, we are capable of delivering retail as well as bulk orders for White Mineral Oil within the committed time frame. One can obtain White Mineral Oil from us at the best market.

### **Applications :**

- Pharmaceutical Industry
- Anti foaming for the production of Penicillin
- Internal lubricants as laxatives
- Additive in the machining of the ingredients for the fabrication of the compressed Basis for ointments and emollients
- Vehicle of transport of medical spray

### **Cosmetic Industry :**

- Preparation of solid and liquid brilliantine
- Preparation of detergent creams, cold creams and lotions for beauty
- Preparation of hydrated creams
- Preparation of bronzed oils
- Preparation of the oil for hygiene of children
- Preparation of products for make-up

### **Technical Features:**

- The inert oils for the fabrications of metallic hydrides and catalysts
- Absorbent oils (e.g. in the extraction of the natural essence for perfumeries, the impregnated paper of white oil is used.)

### **Textile Industry :**

- Oil components for spinning
- Oils for weaving and mesh

- Lubrication for sewing machine and hosiery

**TECHINICAL DATA SHEET FOR POWERZONE WHITE MINERAL OIL**

Characters'		Properties
Physical Stage	:	White Clear Liquid.
Colour	:	Clear White
Odor	:	Odorless
Kinematic Viscosity @ 40 C	:	7 – 20 mm <sup>2</sup> /s
Specific Gravity / Density @ 20 0C	:	0.780 – 0.840 g/ml
Flash Point	:	110 - 230 C
Vapor Pressure @ 20 0C	:	< 0.1 mm Hg
Solubility in water (20 0C)	:	Insoluble



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### Powerzone Rubber Process Oil.

**Powerzone Rubber Oils** can be broadly classified in to three basic groups depending on the physical arrangement of the carbon atoms namely, paraffin's, Naphthenic and Aromatics.

All petroleum oils are mixtures of various hydrocarbon group and their classification in arbitrary, and is based on the predominance of a particular hydro-carbon group.

**Powerzone RPO-200** : It is a light colored paraffinic type of oil and has good color stability. It is also has high flash point and good high temperature properties, but it has low solvency. It finds greatest use in beauty and ethylene propylene rubber. It is recommended to use for the processing of light colored rubber good such as white walled tyres, shoe soles, sporting good, etc.

**Powerzone RPO-500** : This is a naphthenic type of oil has fairly good color stability with adequate high temperature properties. Its solvency is better suitable as general purpose rubber oil for mats, footwear, moulded and extruded goods.

**Powerzone RPO-700** : This is an aromatic type of oil and due to the presence of double bonds it is the least stable. It is dark in color and has good solvency making it compatible with most rubber polymers. It finds extensive use in the manufacture of automobile tyres, belting, battery cases etc, where color is not an important factor.

#### Technical Features :

Powerzone Rubber process oil	200	500	700
Viscosity, cST@40 OC	28-32	18-23	21.25-25.00 @1000 °C
Flash Point, COC, OC	190	160	218
Aniline Point,OC	98	85	40-50
Pour Point, OC	0	0	32
<b>Molecular Analysis</b>			
ASTM D 2007			
Asphaltenes wt. %	NIL	NIL	0.1
Polar Compounds wt. %	0.6	2.3	9.2
Aromatics wt. %	20.3	46.7	66.5
Saturates wt. %	79.1	51	24-3



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## Powerzone Engine Oils

**Powerzone ZRX-4** is a high performance Semi-synthetic diesel engine lubricant designed to provide ultimate engine protection and performance in heavy duty and off- highway vehicle engines operating in extreme conditions over very long service periods. ZRX-4 is designed to maximize engine output, protection and performance, extending engine service life in the most arduous operating environments. ZRX-4 meets, MB 228.3, Volvo VDS2 & E-DL4 Of is: 13656 – 1993 Specification.

### Customer Benefits :

- Enhanced fuel economy potential
- Features Dispersive Polymer Technology (DPT) for superior soot control
- The advanced product technology offers a long – life, balanced formulation which helps maximize engine durability
- Wide Temperature Performance

### Applications :

- Heavy duty naturally aspirated or turbocharged diesel truck engine

### Technical Features:

Characteristics	UNIT	TEST METHOD	10W-30	15W-40	20W-40
Appearance	–	visual	clear	clear	clear
Color	–	ASTM D1500	2.5	3	3.5
SP.Gravity @ 15.6 0C	g/cm3	ASTM D1298	0.875	0.884	0.888
Kinematic Viscosity @ 100 0C	cSt	ASTM D445	11.5	14.5	18
Kinematic Viscosity @ 40 0C	cSt	ASTM D445	75	110	163
Viscosity Index	–	ASTM D2270	146	135	116
Pour Point	0C	ASTM D97	-39	-33	-27
Flash Point, COC	0C	ASTM D92	218	225	232
TBN	mg KOH/g	ASTM D2896	13.5	13.5	13.5

## Powerzone 4t Plus Engine Oil

**Powerzone 4T Plus Engine Oil** is multipurpose engine oil for lubrication of Engine. Gear box & Wet clutches in 4- Stroke two wheelers meeting API SL and JASO T903: MA2 specifications Recommended for use in all new generation 4 Stroke motorcycles and scooters.

### Product Features :-

- Optimized coefficient of friction
- Excellent oxidation stability
- Sludge & Varnish control
- Antiwear & Extreme Pressure properties

Powezone 20-40 is a multi grade engine oil of outstanding performance specially developed for all kind of engineer. Meets API CD/US Military Mil-L 45199B&E-DL2 of Is:133656:19993 specifications.

- Exceptional thermal & Oxidation stability
- Outstanding Viscosity Related performance
- Prolonged Engine Life

PROPERTIES / CHARCTERS	RANGE
Kinematic viscosity cSt @100°c	14-15
Viscosity Index. Min	110
Flash Point(COC)° c,Min	200
Pour point, 'c, Max	-21
Sulphated Ash, %w/. Max	1.46
TBN, mg KOH/g, Min	7

### Powerzone Super 20W40

Powerzone 20W-40 is premium multi grade engine oil designed to meet the demanding lubrication requirements of all modern diesel engines.

Meet API CD/SF, MIL-L\_2104C, E-DL 3/E-PL 2 of IS 13656-1993 and MACKT- 7 engine test requirements.

Recommended for use in Commercial vehicles, Tractors, Diesel passenger cars and jeeps of leading manufactures.

- Extended TBN Quality reserves.



- Prevents oil thickening and enhances oil life.
- Possess absolute controls of corrosive wear.
- Excellent thermal & oxidation stability.
- Prolonged engine cleanliness & Multi grade.
- Outstanding engine cleanliness & Multi grade.

PROPERTIES	RANGE
Kinematic viscosity, cSt @100°C	14-16
Viscosity Index, Min	110
Flash Point(COC), °C min	200
Sulphated Ash, %wt, Max	1.66
TBN, mg KOH/g. Min	12

- **Powerone 30,40,50:**
- Powerzone 30,40,50 are superior quality heavy duty diesel engine lubricating oils.
- Meets API CD/SF, MIL-L2104C, E-DL 3/E-PL2 of IS 13656-1993 and MACK T-7 engine test requirements.
- Recommended for heavy Commercial Vehicles, Tractors, Diesel Passenger cars and jeeps.
- Extended TBN Quality reserve Prevents oil thickening and enhances oil Life.
- Excellent thermal & oxidation stability.
- Prolonged engine life & Enhanced drain Period.
- Outstanding engine cleanliness

#### TECHNICAL DATA SHEET FOR ENGINE OILS :

PROPERTIES	30	40	50
Kinematic Viscosity <a href="#">cSt.@100°C</a>	10.3-11.5	13.5-15.2	17.5-19.5
Viscosity Index, Min	95	90	90
Flash Point. (COC). °C min	215	215	220
Pour Point. °C Max	-6	-6	-6
Sulphated Ash. %w, Max	1.6	1.6	1.6

TBN,mg KOH/g, Min	12.5	12.5	12.5
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### Powerzone Gear oils:

- Powerzone Gear Oils are high performance gear oil that has excellent performance and load carrying ability, as well as providing rust and corrosion protection to transmission components. This grade not only has outstanding low temperature fluidity, eliminating cold start gear selection problems, but can cope with highly stressed gearboxes running at high temperatures.
- Meets API GL, MIL-L\_2105+b EP Type GL-5 Level of IS: 1118:1992

### APPLICATIONS

- It is recommended for manual transmissions and warm axles especially where high bulk oil operating temperatures prevail. It is highly recommended for curing noisy transmissions with API GL5 requirements.

### FEATURES AND BENEFITS:

- Increased protection levels. Improved anti-wear control especially important for engines operating at severe high-temperature in hot dusty climates. Greater resistance to oxidation especially important for engine operating at severe high temperature in hot dusty climates Improved Oil pressure.

CHARACTERISTICS	UNIT	TEST METHOD	SAE-90	B5W-140	SAE 140
Appearance	–	Visual	Clear	Clear	Clear
Color	–	ASTM D1500	3.5	3.5	3.5
SP. Gravity@ 15.6°c	G/cm	ASTM D1298	0.91	0.91	0.895
Kinematic Viscosity@100°c	cSt	ASTM D445	0.892	29	32
Kinematic Viscosity@40°c	cSt	ASTM D445	18	380	458
Viscosity Index	'	ASTM D-2270	180	105	101
Pour point	'c	ASTM D97	110	-15	.6
Flash point C	'C	ASTM D92	.25	225	230



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## Powerzone Hydraulic Oil

**Powerzone Hydraulic Oil** is perfect to be used in all kind of hydraulic systems running under the most severe conditions, such as machine tools, mold injection machines, low charged gears, sliding and roll bearings, air compressors, servo – motors and contra system equipped with fine filtration systems. Our Hydraulic Oil confirms various standards such as IS: 10552-1993 specifications, USS 127 etc. You can obtain **POWERZONE Hydraulic Oil** from us at the best market price.

### ❖ Product Benefits :

#### ❖ High viscosity index.

- Excellent shear stability.
- Superior thermal stability avoiding the formation of sludge even at high temperature.
- Very good oxidation stability ensuring a long service life of the fluid.
- High protection against wear insuring maximum equipment life.
- Excellent hydrolytic stability avoiding filter blocking.
- Excellent protection against rust and corrosion.
- Low pour point
- Good demulsibility ensuring rapid water separation.

### Technical Specifications :

Characteristics	Unit	Test Method	150	100	68	46	32	22
Appearance	–	Visual	Clear	Clear	Clear	Clear	Clear	Clear
SP.Gravity @ 15.6 oC	g/cm3	ASTM D1298	0.892	0.889	0.885	0.883	0.878	0.872
Kinematic Viscosity @ 40oC	cST	ASTM D445	155	105	70	48	33	24
Kinematic Viscosity @ 100oC	cST	ASTM D445	15.3	11.5	8.8	6.8	5.5	4.6
Viscosity Index	–	ASTM D2270	100	96	97	95	102	106
Pour Point	oC	ASTMD97	-15	-15	-18	-18	-22	-22
Flash Point, COC	oC	ASTM D92	235	230	220	210	200	190



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## Mineral Turpentine Oil (M.T.O.)

We have on offer accurately composed farm and agriculture livestock **Powerzone Mineral Turpentine Oil** (M.T.O). It is refined from crude oil in a process called alkylations. It comes also produced as a by-product from coal carbonization derived from coke ovens, extracted from crude benzol from gas, or by dihydro cyclodimerization and ethylating of toluene and benzene. This MTO is used in paint, dry cleaning industries and many more applications. MTO is also known as Mineral Turpentine Oil.

### **Product Detail:**

- Packaging Size-200 litre
- Packaging Type-Drum
- Usage-DRY CLEANING & PAINT
- Minimum Order Quantity-200 Litre



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**POWERZONE BLUE - Diesel Exhaust Fluid (DEF)**

**Product Data Sheet : -**

**POWERZONE BLUE, (DEF)** is a premier manufacturer of diesel exhaust fluid and is proud to offer this trusted emission-control solution to its North American customers. **POWERZONE BLUE, DEF 32.5** is a diesel exhaust fluid manufactured with 32.5% high purity synthetic urea and 67.5% deionized water designed for use in passenger vehicles, trucks, construction and agricultural equipment. It is compatible with all Tier 4 final compliant equipment using Selective Catalytic Reduction (SCR) technology. **POWERZONE BLUE, DEF 32.5** prevents SCR breakdown, reduces harmful nitrogen oxide emissions by 90% and even improves fuel efficiency by up to 8%. It is a simple-to-use, low cost, clean solution for meeting the new 2010 EPA Clean Air Act requirements. Purity of diesel exhaust fluid is important to maintaining a functioning SCR system. Any chemical impurity in DEF can lead to failure of an SCR system. That is why it is very important to use only DEF products that meet ISO 22241-1 standards. **POWERZONE BLUE, (DEF) DEF 32.5** is a stable, colorless, nonflammable, nontoxic fluid. **POWERZONE BLUE, DEF 32.5** conforms to the ISO-22241-1 specification for DEF, is API registered and meets or exceeds OEM specifications. We ensure a quality product with an extensive, redundant quality management process, controlling specifications through the entire product channel—from manufacturing through distribution to the end user.

<b>PHYSICAL AND CHEMICAL PROPERTIES OF (DEF)</b>		<b>STORAGE AND HANDLING INSTRUCTIONS OF (DEF)</b>
Boiling Point	>212°F	DO NOT MIX WITH DIESEL FUEL.
Crystallization Point	12°F	Optimal storage temperature: 23°F to 77°F
Pounds/Gallons	9.10	DEF will freeze at 12°F
Specific Gravity	(Water=1) 1.09	Avoid direct exposure to sunlight
Vapor Density	(Air=1) 0.6 H <sub>2</sub> O,>1	ISO 22241 standards require the use of only stainless steel and/or certain plastics, such as high density polyethylene (HDPE) or polypropylene, to store DEF in order to prevent contamination and SCR failure.
Water Solubility	100%	
Appearance	Colorless Clear Liquid	Materials specifically not recommended include non-ferrous metals and alloys (copper, aluminum, magnesium, silver, zinc and lead), solders containing non-ferrous metals, and nickel-coated plastics and metals. See our Material Safety Data Sheet for more information on material compatibility and exposure instructions.
Odor	None to Slight Ammonia	
Evaporation Rate	<1	



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## POWERZONE Turbine Oil

We are counted among the top companies, which are engaged in manufacturing, exporting and supplying of **POWERZONE Turbine Oil** from India. The formulation of our **POWERZONE Turbine Oil** is based on a blend of carefully selected, high quality, high viscosity index, fully refined hydro finished mineral base oils with selected additives. Immediately after the formulation, we test Turbine Oil using the latest techniques so as to ensure that only the defect-free range reaches the customers' end.

**Applications :** Recommended for steam, gas and water turbines which is used in power generation combination cycles and gas transmission pipe lines and soon.

### **Advantages :**

- Good thermal and oxidation stability
- Excellent corrosion and rust protection
- Excellent demulsibility, oil release and foam control
- Sludge and deposits formation resistance

## Technical Features for Powerzone Turbine Oil :-

ISO Grade Characteristics	32	46	68	100	Test Method ASTM
Kinematic viscosity @ 40°C, cSt	32	46	68	100	D – 445
Viscosity index (VI)	100	95	95	95	D – 2270
Flash point, °C	197	210	219	231	D – 92
Pour point, °C	-9	-9	-6	-6	D – 97
Density @ 15°C Kg/m <sup>3</sup>	870	875	880	885	D – 1298
Foaming characteristics, ml Seq. I @ 24°C Seq. II @ 93.5°C Seq. III @ 24°C	50/0 50/0 50/0	50/0 50/0 50/0	50/0 50/0 50/0	50/0 50/0 50/0	D – 892
Acid number, mg KOH/g	0.1	0.1	0.1	0.1	D – 664
Water separability @ 54°C 30 min, ml Emulsion	3	3	3	–	D – 1401
Water separability @ 82°C 60 min, ml Emulsion	–	–	–	3	D – 1401

Confirming to IS:



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## **POWERZONE AUTOMATIC TRANSMISSION FLUID**

We are offering Automatic Transmission Fluid (ATF). These are premium quality automotive transmission Fluids having fortified with additives to impart excellent thermo-oxidative stability, low temperature flow characteristic, seal compatibility, anti-wear and anti-corrosion properties. This oil ensures smooth operation with a minimum power loss.

**Applications : MAK ATF-A** is recommended for Automatic Transmission and Power Steering System of automobiles and earthmoving equipment and also recommended for synchromesh manual transmission system of automobiles.

### **Benefits :-**

- Good anti-wear and anti-corrosion properties
- Outstanding low temperature fluidity
- Better seal compatibility
- Excellent thermo-oxidative stability
- Ensures smooth operation with a minimum power loss



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# PSO PUMP SET OIL

**Powerzone Pump Set Oil (PSO)** is a high performance engine oil, meeting IS 13656-2002 (E-PL1/E-DL1), US MILITARY MIL-L-2104B and API:CC specifications. It is specially formulated to meet the requirements of diesel pump sets used for agriculture applications, operating under moderate duty condition.

## **Product Features :**

- High oxidation stability
- Protects engine against rust, corrosion and wears
- Economical Longer engine life



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# LITHIUM BASED GREASE

We are one of the prominent Manufacturers, Exporters and Suppliers of **Lithium Based Grease** from Delhi, India. Our Lithium Based Grease is suitable for a wide range of industrial and automotive applications. We conduct stringent tests on Lithium Based Grease so as to ensure that only the defect-free product reaches the customers' end. Also, we have the capability to deliver retail as well as bulk orders for Lithium Based Grease within the stipulated time frame.

**Product Features:** It is engineered to provide a long service life in a broad range of applications. Lithex and Lithex EP lithium grease are fortified with a multifunctional polymer, rust and corrosion inhibitors to give protection for a wide range of applications and service conditions. These products also have a good oxidation resistance. Lithex EP lithium grease is fortified with extreme pressure additive for good lubrication under high loads.

**Application :-** Lithex and Lithex EP are recommended for industrial machineries, rolling element bearings in steel mills, quarry, marine, agricultural, mining, construction machinery, drilling, conveyors, elevators, chains, pulleys, cranes, shafts, automotive applications where water and temperature resistance up to 180°C is required. Lithex EP is highly recommended for applications where high loads are applied. Powerzone's all types of grease are also available in the following grades.

- NLG12
- NLG14

## Technical Features:

Characteristics	Unit	Test Method	Lithium Base	Calcium Base	Bentonite Base
Color	-	Visual	Clear	Light Brown	Red
Dropping point	oC	ASTM D566	180	100	N/A
Oil Viscosity @ 100oC	cST	ASTM D445	9.7	9.7	9.7
Oil Viscosity @ 40oC	cST	ASTM D445	80	80	80

Oil Viscosity @ 40oC	-	ASTM D217	225-268	220- 250	220-250
Operating Temperature Range	oC	-	-15 to 180	-15 to 60	-15 to 200
Water Solubility	-	-	Insoluble	Insoluble	Insoluble



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**FUEL OIL**

Our company is fast emerging as the leading manufacturer, trader and supplier of **Fuel Oil**. We have attractive range of fuel oil according to our beloved clients. These are popular among our customers due to their great operational life and provide excellent performance. In

addition to this these are safe to use and are available in various specifications. To add on, these are tested under various parameters before dispatching it in the market.

**Features :**

- Suitable rates
- High quality
- Non toxicity



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## GUN OIL

Owing to our expertise in this domain, we are engaged in providing a supreme quality Gun Oil. The offered oils are processed using optimum quality chemical compounds and modern technology. Used in automotive, forging and machining industries, these oils are highly praised among clients for their purity and long shelf life. Our provided oils are tested by our quality experts on different parameters so as to maintain their quality.

### **Product Features :**

- Accurate composition
- Prevent rust and tarnish
- High effectiveness

### **Specifications :**

- Size: 200ml 250ml 350ml
- Application: lubricant additive
- Dosage: 8.4-5.4%
- Use: Automotive Lubricant, gasoline motorcycle oil

**TECHNICAL DATA SHEET**

<b>Properties</b>	<b>Value</b>
Flash Point, min	120 °C (249 °F) +
Pour Point, max	-59 °C (-74 °F)
Viscosity, Kinematic (w/ solvent) @ +40 °C (104 °F), min	14.0 cSt
Viscosity, Kinematic (w/ solvent evaporated) @ -40 °C (-40 °F), max	5000 cSt
Wear Preventive Characteristics, avg., Scar Diameter, maz	0.8 mm
Load Carrying Capacity, Jaw Load, min	500 lbs



**Powerzone Oil Refinery Pvt. Ltd.**  
*Transforming Power into Oil*

[www.powerzoneoil.com](http://www.powerzoneoil.com)

## MINERAL TURPENTINE OIL

We have on offer accurately composed farm and agriculture livestock **Powerzone** Mineral Turpentine Oil (M.T.O). It is refined from crude oil in a process called alkylations. It comes also produced as a by-product from coal carbonization derived from coke ovens, extracted from crude benzol from gas, or by dihydro cyclodimerization and ethylating of toluene and benzene. This MTO is used in paint, dry cleaning industries and many more applications. MTO is also known as Mineral Turpentine Oil.

### **Product Detail:**

- Packaging Size-200 litre
- Packaging Type-Drum
- Usage-DRY CLEANING & PAINT
- Minimum Order Quantity-200 Litre





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## METAL CUTTING FLUIDS :

We share glorious credentials in the list of top Manufacturers, Exporters and Suppliers of **Metal Cutting Fluid** from Delhi, India. The formulation of our Metal Cutting Fluid is based on a blend of paraffinic mineral base oils plus suitable additives. When it comes to delivering Metal Cutting Fluid, we use fast shipment modes so as to ensure its prompt and timely delivery at the customers' end.

### **Applications :**

As an emulsion lubricant and coolant suitable for application in most type of machining and metal working operations.

### **Advantages :**

- Mixed readily with water to form stable emulsions
- Good rust preventive and anti-foam properties
- Formulated to effectively remove heat from metalworking operation
- Emulsion resistant to freezing and additive separation
- Protection against bacterial growth and deterioration
- Low- staining characteristics

**Preparation :** Soluble oils are prepared for use by mixing them with relatively large portions of water. The oils must always be added to the water. Never add the water to the oil. Usually one part oil is stirred into four parts water. Adding water to this mixture then makes the desired dilution. Oil should never be added directly to the existing emulsion. For best emulsion stability, rust and bacterial growth protection, low hardness water should be used to prepare emulsions. It is important that the correct oil-water proportions be maintained in service. Evaporation in the water, which is especially rapid in machining operations that developed high temperatures, may enrich the emulsion excessively. Conversely, finely divided particles carried away by the emulsion may, when filtered out, remove more oil from the emulsion than water and thus make the emulsion leaner. Oil concentration should be checked at any time. With the oil separated from the water, its concentration can easily be observed and corrected as necessary by adding an emulsion with definite concentration. Avoid strong suitable oils below freezing temperatures. If freezing should occur, re-warm to room temperature and mix product well before using.