

# Performance Par Excellence

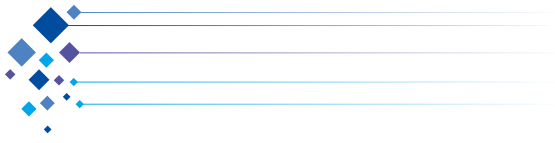
**gandhar**  
Stay Ahead



Speciality Oils

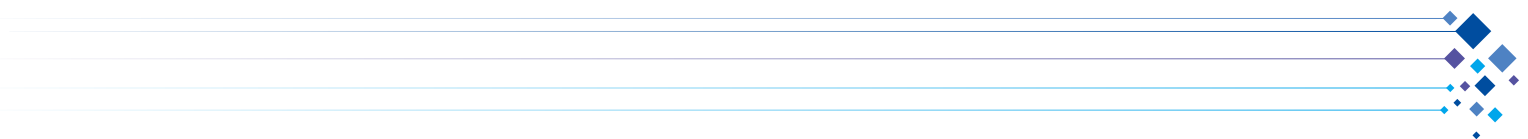
Industrial Oils

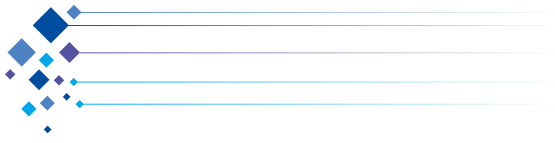
**divyol**  
solutions within solutions



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## WIDE RANGE OF INDUSTRIAL OILS



## SPECIALITY OILS

### Dispersing, degreasing, cleaning

In addition to the wide range of regular and premium industrial oils Divyol markets a variety of specialty oils such as: dispersants, water and hydrocarbon based cleaning fluids, and flushing oils.



# DIVYOL COLOMA PLASTICIZER-DISPERSANT OILS

## Applications:

Divyol Coloma of grades 8/12/15/22/30/45/70/100 are bright and clear paraffin oils recommended to be used as dispersing agent and process aids for polymers. These plasticizer blends are recommended for use in thermoplastic elastomers, filler master batches, colour master batches based on various polymers and for coloured articles based on polyolefin.

## Advantages:

Divyol Coloma 8/12/15/22/30/45/70/100, with colour less than 0.5 allows dispersion of colour and brightening agents like TiO<sub>2</sub> in the polymer matrix. Being colourless, this oil does not contribute to discoloration of the finished products, nor does it cause staining. It also has high film strength and excellent resistance to oxidation.

## Typical properties:

Sr. No.	Characteristics	Test Method	8	12	15	22	30	45	70	100
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear	Bright and clear	Bright and clear	Bright and clear	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3	Kinematic viscosity at 40 °C, cSt, min.	ASTM D 445	7 – 9	10 – 14	13.5 – 16.5	20 – 24	28 – 35	40 – 50	63 – 77	85
4	Flash point, COC, °C, min.	ASTM D 92	140	180	180	190	210	220	220	230
5	Pour point, °C, max.	ASTM D 97	-12	-12	-12	-12	-12	-12	-12	-12
6	Aniline point, °C, min.	ASTM D 611	100	100	100	100	115	120	120	120
7	Volatile loss at 100°C, 3 hrs., max.	ASTM D 972	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

The above properties are typical values and do not constitute specification of the product.

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

## DIVYOL CLEANING SOLUBLE OILS DG / DH

### Applications:

Divyol Cleaning Soluble Oils DG and DH are water-based cleaning fluids specially formulated for use wherever mineral turpentine and kerosene are not available. These fluids are recommended for use on all metal components whose surfaces need to be cleaned, especially micro-finished parts, after machining and before they become part of sub-assemblies or before being treated with rust preventive oils.

### Advantages:

Divyol Cleaning Soluble Oils DG and DH work efficiently on both ferrous and non-ferrous metal components and machine assemblies. Since the formulation is a water-based cleaning agent, it is to be mixed with water in a required proportion depending upon the application. With super cleaning capability, it effectively removes oils and greases from metal surfaces, reduces cycle time of operations, improves productivity of cleaning operations, makes machines more productive and proves to be cost effective.

### Typical properties:

Sr. No.	Characteristics	Test Method	Divyol DG Cleaner	Divyol DH Cleaner
1	Colour, max.	ASTM D 1500	1.0	1.0
2	Appearance	Visual	Bright and clear	Bright and clear
3	Flash point, COC, °C, min.	ASTM D 92	40	42
4	Pour point, max.	ASTM D 97	<-3	<-3
5	Kinematic viscosity at 40 °C, min.	ASTM D 445	2 – 5	2 – 5
6	Emulsion type	–	Milky White	Milky White
7	pH of 5 % emulsion	ASTM R70 / 97	5.9	6.3

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## DIVYOL CLEANING NEAT OILS N / H

### Applications:

Divyol Cleaning Neat Oil blends N and H are naphthene hydrocarbon cleaning fluids used to degrease the surfaces of micro finished parts after they are manufactured and before they become part of sub-assemblies. The metal parts are further treated with a rust preventive coating before packaging.

Divyol Cleaning Neat Oil - H is a solvent emulsion cleaner designed for the removal of grease and mineral oils. Divyol Cleaning Neat Oil - N is a straight non-aqueous solvent that helps prevent rusting. These efficient cleaning oils are used for degreasing and cleaning in processes like cutting, pressing, heat treatment, etc., as also in making/processing of lubricants. Ferrous and non-ferrous metal components and machine assemblies are usually cleaned by the same cleaning fluids. In some applications, water-based cleaning fluids are to be avoided as they increase the possibility of rusting. In such applications, Divyol Cleaning Neat Oils prove to be ideal choice and they perform most efficiently.

### Advantages:

Divyol Cleaning Neat Oils 'N' and 'H' having high solvent power are most effective in degreasing as also in removal of dirt and other tough contaminants. They make cleaning operations efficient, more productive and therefore cost effective. Metallic surfaces treated by these oils are protected from moisture. These blends are low in aromatics, low in toxicity, fully biodegradable and do not contain any ozone depleting chemicals; hence they are also eco-friendly.

### Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Cleaner N	Divyol Cleaner H
1	Appearance	Visual	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	0.5	0.5
3	Kinematic viscosity at 40 °C, min.	ASTM D 445	1.25	1.60
4	Flash point, COC, °C, min.	ASTM D 92	40	70
5	Distillation IBP °C	ASTM D 86	208	250
6	Pour point	ASTM D 97	-3	-3

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## DIVYOL FLUSHING OIL

### Applications:

Divyol Flushing Oil is a highly refined blend of high flash, low viscosity mineral oil and super cleanser additives recommended for use in industrial gearboxes, hydraulic systems, car engine compartments and DG sets. In this flushing process, a clean fluid circulates through the system effectively removing carbon build up, soot, dust, water, chemical contaminants and particulate matter from the equipment.

### Advantages:

Divyol Flushing Oil demonstrates excellent cleaning properties. Its low viscosity enables smooth flow through the system to remove contaminants from the equipment more efficiently. After flushing, a thin film remains on the surfaces, which serves as a layer of protection against rusting of the machine/equipment during short duration storage or before commissioning of equipment. In regular usage, its efficacy results in longer oil drain intervals.

### Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Flushing Oil
1	Appearance	Visual	Bright and clear
2	Colour, max.	ASTM D 1500	3.0
3	Flash point, COC, °C, min.	ASTM D 92	150
4	Kinematic viscosity at 40 °C, cSt, min.	ASTM D 445	20 – 25

The above properties are typical values and do not constitute specification of the product.

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**Gandhar Oil Refinery (India) Limited**

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

**Registered Office**

18th Floor, DLH Park, S. V. Road, Goregaon (W), Mumbai 400062, India. | Phone: +91-22-40635600 | Fax: +91-22-40635601  
Email: [sales@gandharoil.com](mailto:sales@gandharoil.com) | Website: [www.gandharoil.com](http://www.gandharoil.com)

**Branch Offices and Depots**

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