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# NEWAGE PETRO CONCHEM PVT LTD

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Product Specification Catalog



MARCH 1, 2026

NPCPL

Survey No. 99, B/H. GEB Sub-Station, Village Rania, Tal. Savli, Dist. Vadodara-391780, Gujarat, India.

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## NEWMAX GRADE A

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		~ 0.6 (S. Pale)
Appearance	VISUAL	--	Clear Liquid free from sediments
Specific Gravity	IS 1448 (P) 16	gm/ml	0.920 - 0.935 @ 30 °C
Flash Pont PMCC	IS 1448 (P) 21	°C	~ 50
Aromatic Content	IS 1448 (P) 48	% V/V	~96
Distillation Range	IS 1448 (P) 18	°C	
IBP		°C	155-170
FBP		°C	240-250

## NEWMAX GRADE B

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		~ 0.3 (V. S. Pale)
Appearance	VISUAL	--	Clear Liquid free from sediments
Specific Gravity	IS 1448 (P) 16	gm/ml	0.770-0.775 @ 30 °C
Flash Pont PMCC	IS 1448 (P) 21	°C	38 - 40
Aromatic Content	IS 1448 (P) 48	% V/V	20 - 25
Distillation Range	IS 1448 (P) 18	°C	
IBP		°C	150 - 155
FBP		°C	210 - 225

## NIOMAX

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		0.1 (white)
Appearance	VISUAL	--	Clear Liquid free from sediments
Specific Gravity	IS 1448 (P) 16	gm/ml	0.910 - 0.915 @ 30 °C
Flash Pont PMCC	IS 1448 (P) 21	°C	48 To 52
Aromatic Content	IS 1448 (P) 48	% V/V	65 To 70
Distillation Range	IS 1448 (P) 18	°C	
IBP		°C	165 - 170
FBP		°C	230 - 255

## NIOMAX 90

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		To Report
Appearance	VISUAL	--	Clear and Transparent
Density @ 15 °C	ASTM D 4052	gm/ml	0.880 – 0.960
Flash Pont PMCC	ASTM D 93	°C	45 – 50
Aromatic Content	GC	% V/V	85 – 95
Distillation Range	ASTM D 86	°C	
IBP		°C	Min 140
Dry Point		°C	Max 270

## NIOMOL

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		0.0
Appearance	VISUAL	--	Clear Liquid free from sediments
Specific Gravity	IS 1448 (P) 16	gm/ml	0.770 – 0.780
Flash Pont PMCC	IS 1448 (P) 21	°C	35 – 40
Aromatic Content	IS 1448 (P) 48	% V/V	20 %
Distillation Range	IS 1448 (P) 18	°C	
IBP		°C	140 – 150
FBP		°C	200 – 230

## NIOSOL 150 PLUS

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		~ 0.2 (off White)
Appearance	VISUAL	--	Clear Liquid free from sediments
Specific Gravity	IS 1448 (P) 16	gm/ml	0.890 - 0.895 @ 30 °C
Flash Pont PMCC	IS 1448 (P) 21	°C	60 – 65
Aromatic Content	IS 1448 (P) 48	% V/V	~99.50 %
Distillation Range	IS 1448 (P) 18	°C	
IBP		°C	190 – 195
FBP		°C	230 – 240

### NIOSOL 100

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		0.0
Appearance	VISUAL	--	Clear Liquid free from sediments
Specific Gravity	IS 1448 (P) 16	gm/ml	0.865 - 0.875 @ 30 °C
Flash Pont PMCC	IS 1448 (P) 21	°C	45 - 50
Aromatic Content	IS 1448 (P) 48	% V/V	100 %
Distillation Range	IS 1448 (P) 18	°C	
IBP		°C	155-160
FBP		°C	185-190

### NIOSOL 150

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		0.0
Appearance	VISUAL	--	Clear Liquid free from sediments
Specific Gravity	IS 1448 (P) 16	gm/ml	0.885 - 0.895 @ 30 °C
Flash Pont PMCC	IS 1448 (P) 21	°C	60 - 65
Aromatic Content	IS 1448 (P) 48	% V/V	100 %
Distillation Range	IS 1448 (P) 18	°C	
IBP		°C	180 - 190
FBP		°C	205 - 215

### NIOSOL 200

Parameter	Test Method	Unit	Specification
Color	ASTM D 1500		V.S Pale
Appearance	VISUAL	--	Clear Liquid free from sediments
Specific Gravity	IS 1448 (P) 16	gm/ml	0.960 - 0.980
Flash Pont PMCC	IS 1448 (P) 21	°C	95 - 99
Aromatic Content	IS 1448 (P) 48	% V/V	98% - 100 %
Distillation Range	IS 1448 (P) 18	°C	
IBP		°C	220 - 235
FBP		°C	280 - 300

## NIOSOL 250

Parameter	Test Method	Unit	Specification
Appearance	VISUAL	--	Clear and Transparent
Specific Gravity @ 30 °C	ASTM D 4052	gm/ml	0.880 - 0.960
Flash Pont PMCC	ASTM D 93	°C	45 - 50
Aromatic Content	GC	% V/V	95 - 99 %
Non-Aromatic Content	-	-	NA
Distillation Range	ASTM D 86	°C	
IBP		°C	240 - 255
Dry Point		°C	340 - 365

## AUTOMATIC TRANSMISSION FLUID (ATF)

Analytical Test	Typical Specification		
	ATF Type A	ATF Dextron III	ATF Dextron VI
Color By Gardner	< 3.0	< 3.0	< 3.0
Appearance	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.830 – 0.860	0.830 – 0.860	0.830 – 860
K. Viscosity @40 °C	To Report	To Report	To Report
K. Viscosity @ 100 °C	7.00 to 8.50	40 to 50	6 to 8
Viscosity Index	Min 110	Min 140	Min 140
Flash Point, COC	Min 190°C	Min 200°C	Min 200°C
Pour Point	Max -18°C	Max -30°C	Max -33°C

## AUTOMOTIVE GEAR OIL

Analytical Test	Typical Specification			
	Gear oil 90 API GL4	Gear oil 80W90	Gear oil 85W140	Gear oil 75W90
Color By Gardner	< 4.5	< 4.5	< 4.5	< 4.5
Appearance	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.830 – 0.860	0.830 – 0.860	0.830 – 860	0.850 - 0.870
K. Viscosity @40 °C	To Report	To Report	To Report	To Report
K. Viscosity @ 100 °C	13.50 to 17.50	13.50 to 17.50	26.50 to 31.50	13.50 to 15.50
Viscosity Index	Min 110	Min 140	Min 140	Min 155
Flash Point, COC	Min 190°C	Min 200°C	Min 200°C	Min 190°C
Pour Point	Max -18°C	Max -30°C	Max -33°C	Max -15°C
Total Acid Number (mg of KOH/gm)	Max 1.50	Max 1.50	Max 1.50	Max 1.50

## BASE OIL

Analytical Test	Typical Specification					
	SN 150 GR01	SN 150 GR02	SN 150 GR03 8CST	SN 500 GR01	SN 500 GR02	BS 150
Color by Gardner	< 2.5	Colorless	Colorless	< 3.0	Colorless	< 4.5
Appearance	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.850 – 0.875	0.830 – 0.850	0.820 – 0.835	0.860 – 0.885	0.845 – 0.880	0.880 – 0.892
K. Viscosity @ 40 °C	28 – 32	28 – 32	28 – 32	28 – 32	28 – 32	28 – 32
K. Viscosity @ 100 °C	Min 5.0	Min 5.0	Min 7.50	Min 10.0	Min 10.0	Min 28.0
Viscosity Index	Min 85	Min 100	Min 120	Min 85	Min 100	Min 85
Flash Point, COC	Min 200°C	Min 200°C	Min 210 °C	Min 220 °C	Min 220 °C	Min 260°C
Pour Point	Max -6	Max -12	Max -15	Max -6	Max -12	Max -3

## BRAKE OIL

Analytical Test	Typical Specification	
	Brake Fluid Dot3	Brake Fluid Dot4
Appearance	Clear & Bright	Clear & Bright
ERBP °C	Min 215 °C	Min 245 °C
WET ERBP °C	Min 140 °C	Min 150 °C
K. Viscosity @ 100 °C	Min 1.50	Min 1.50
PH Value	7.00 To 11.50	7.00 To 11.50

## COMPRESSOR OIL

Analytical Test	Typical Specification				
	Compressor oil 32	Compressor oil 46	Compressor oil 68	Compressor oil 100	Compressor oil 220
Color by Gardner	< 2.5	< 2.5	< 2.5	< 3.0	< 3.0
Appearance	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.850 – 0.875	0.860 – 0.875	0.860 – 0.885	0.860 – 0.885	0.860 – 0.885
K. Viscosity @ 40 °C	28 – 34	42 – 50	62 – 72	95 – 105	210 – 240
K. Viscosity @ 100 °C	Min 5.0	Min 6.50	Min 7.0	Min 9.0	Min 14.0
Viscosity Index	Min 85	Min 85	Min 85	Min 85	Min 90
Flash Point, COC	Min 210 °C	Min 210 °C	Min 210°C	Min 210 °C	Min 210 °C
Pour Point	Max -9	Max -9	Max -9	Max -9	Max -9

## CUTTING OIL

Analytical Test	Typical Specification	
	Soluble Cutting oil	Semi Synthetic Cutting oil
Appearance	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.880 – 0.895	0.880 – 0.890
pH 5% emulsion	8.50 To 9.50	8.50 To 9.50
Flash Point, COC	Min 160 °C	Min 160 °C
Emulsion test, 5:1 and 20:1 ration in water of 400 ppm hardness (as CaCO3)	Passes(No oil or cream separation observed)	Passes (No oil or cream separation observed)

## BIKE ENGINE OIL

Analytical Test	Typical Specification		
	20W40 API SL	20W40 API SM	20W40 API SN
Color by Gardner	< 3.5	< 3.0	< 3.0
Appearance	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.860 – 0.885	0.840 – 0.870	0.840 – 0.870
K. Viscosity @ 40 °C	110 to 140	90 to 120	90 to 120
K. Viscosity @ 100 °C	12.50 to 14.50	12.50 to 14.50	12.50 to 14.50
Viscosity Index	Min 110	Min 130	Min 130
Flash Point , COC	Min 210 °C	Min 210 °C	Min 210 °C
Pour Point	Max -18 °C	Max -21 °C	Max -21 °C
TBN(Total Base Number)	5.80 to 7.50	5.80 to 7.50	5.80 to 7.50

## THERMIC FLUIDS

Analytical Test	Typical Specification	
	Thermic Fluids 500	Thermic Fluids 600
Color by Gardner	< 3.0	< 3.0
Appearance	Clear & Bright	Clear & Bright
Density @29.5 °C	0.860 – 0.875	0.850 – 0.870
K. Viscosity @40 °C	26 to 32	28 to 35
K. Viscosity @ 100 °C	To Report	To Report
Viscosity Index	Min 90	Min 100
Flash Point, COC	Min 200 °C	Min 210 °C
Pour Point	Max -9 °C	Max -12
Total Acid Number (mg of KOH/gm)	Max 1.50	Max 1.50

## HYDRAULIC OIL (AW)

Analytical Test	Typical Specification			
	HYD Oil AW32	HYD oil AW46	HYD oil AW68	HYD oil AW100
Color by Gardner	< 3.0	< 3.0	< 3.0	< 3.0
Appearance	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.850 – 0.875	0.850 – 0.875	0.860 – 0.885	0.865 – 0.885
K. Viscosity @ 40 °C	28 – 35	42 – 50	62 – 72	95 – 105
K. Viscosity @ 100 °C	Min 5.0	Min 5.0	Min 7.0	Min 8.50
Viscosity Index	Min 90	Min 90	Min 90	Min 90
Flash Point, COC	Min 200	Min 200	Min 210	Min 210
Pour Point	Max -6	Max -6	Max -6	Max -6
Total Acid Number (mg of KOH/gm)	Max 1.50	Max 1.50	Max 1.50	Max 1.50

## HYDRAULIC OIL (HLP)

Analytical Test	Typical Specification		
	HYD Oil HLP 32	HYD oil HLP 46	HYD oil HLP 68
Color by Gardner	< 0.5	< 0.5	< 0.5
Appearance	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.840 – 0.855	0.840 – 0.860	0.845 – 0.865
K. Viscosity @ 40 °C	28 – 35	42 – 50	62 – 72
K. Viscosity @ 100 °C	Min 5.0	Min 5.0	Min 7.0
Viscosity Index	Min 100	Min 100	Min 100
Flash Point, COC	Min 210 °C	Min 210 °C	Min 210 °C
Pour Point	Max -6	Max -6	Max -6
Total Acid Number (mg of KOH/gm)	Max 1.00	Max 1.00	Max 1.00

## INDUSTRIAL GEAR OIL

Analytical Test	Typical Specification					
	Gear oil 90	Gear oil 140	Gear oil 150	Gear oil 220	Gear oil 320	Gear oil 460
Color by Gardner	< 3.5	< 3.5	< 3.5	< 4.5	< 4.5	< 4.5
Appearance	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.870 – 0.885	0.870 – 0.890	0.870 – 0.890	0.870 – 0.892	0.870 – 0.892	0.870 – 0.892
K. Viscosity @ 40 °C	85 – 100	130 – 150	140 – 160	210 – 230	310–330	450–470
K. Viscosity @ 100 °C	Min 9.0	Min 10.0	Min 12.0	Min 14.0	Min 18.0	Min 25.0
Viscosity Index	Min 85	Min 85	Min 85	Min 85	Min 85	Min 85
Flash Point, COC	Min 190 °C	Min 190 °C	Min 190 °C	Min 190 °C	Min 200 °C	Min 200 °C
Pour Point	Max -6	Max -3	Max -3	Max -3	Max -3	Max -3
Total Acid Number (mg of KOH/gm)	Max 1.50	Max 1.50	Max 1.50	Max 1.50	Max 1.50	Max 1.50

## MACHINE OIL

Analytical Test	Typical Specification
	Machine oil
Color by Gardner	< 3.0
Appearance	Clear & Bright
Density @ 29.5 °C	0.860 – 0.880
K. Viscosity @ 40 °C	62 to 72
K. Viscosity @ 100 °C	Min 5.0
Viscosity Index	Min 90
Flash Point, COC	Min 200 °C
Pour Point	Max -6
Total Acid Number (mg of KOH/gm)	Max 1.50

## QUENCHING OILS

Analytical Test	Typical Specification		
	Quenching Oil 22	Quenching oil 32	Quenching oil 46
Color by Gardner	< 3.0	< 3.0	< 3.0
Appearance	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.840 – 0.870	0.850 – 0.875	0.850 – 0.885
K. Viscosity @ 40 °C	20 – 24	28 – 35	41 – 50
K. Viscosity @ 100 °C	To Report	To Report	To Report
Viscosity Index	Min 90	Min 90	Min 90
Flash Point, COC	Min 180	Min 200	Min 210
Pour Point	Max -6	Max -6	Max -6
Copper corrosion at 100 °C for 3 Hrs	Passes	Passes	Passes

## SPINDLE OILS

Analytical Test	Typical Specification		
	Spindle oil 10	Spindle oil 12	Spindle oil 22
Color by Gardner	< 0.5	< 0.5	< 0.5
Appearance	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.820 – 0.840	0.820 – 0.840	0.820 – 0.840
K. Viscosity @ 40 °C	9 To 11	11 To 13	21 To 22
K. Viscosity @ 100 °C	To Report	To Report	To Report
Viscosity Index	Min 95	Min 95	Min 95
Flash Point, COC	Min 160°C	Min 160°C	Min 180 °C
Pour Point	Max -12°C	Max -12°C	Max -9°C
Copper corrosion at 100 °C for 3 hrs	1	1	1

## 1. OIL AND GAS DRILLING CHEMICALS :

We supply **specialized chemical products and additives** used throughout the oil and gas drilling and well-construction process in hydrocarbon exploration and production. These chemicals are essential for *drilling fluid/mud performance, wellbore stability, equipment protection, and efficient extraction.*

We offer a broad range of products used in drilling and well operations, including:

- Viscosifiers, rheology modifiers, fluid loss additives
- Shale stabilizers and weighting agents
- Surfactants, lubricants, pipe-freeing agents
- Corrosion inhibitors and biocides
- pH control agents and lost circulation materials

## 2. WATER TREATMENT CHEMICALS :

We also distribute **specialized chemicals** used to treat water for industrial, municipal, and commercial applications. These chemicals help make water **safe, clean, stable, and suitable** for its intended use — whether that's drinking water, wastewater treatment, cooling systems, boilers, or industrial processes.

Typical products offered include:

- Coagulants & flocculants
- Disinfectants & biocides
- Scale inhibitors & corrosion inhibitors
- Antifoams and defoamers

## 3. INDUSTRIAL CHEMICALS :

We also deal in the supply of various chemicals used in manufacturing, processing, construction, energy, agriculture, healthcare, and water treatment industries.

Our Products include:

- Mix Xylene



(Formally known as NewAge Industrial Oils Pvt Ltd)

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- Acetone
- Toluene
- IPA

**Note :** Please note that these figures are based on our specific laboratory testing conditions.