

JOWFE CO. FOR OIL TECHNOLOGY

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INFO @ JOWFE.LY

P.O BOX: 9019 / BENGHAZI – LIBYA



Announcement for Material purchasing

Jowfe Company For Oil Technology announces its desire to purchase raw materials related to the manufacturing of oil field treatment chemicals as follows

MATERIAL	ORDER REF.	QUANTITY	SPECIFICATION
RAW MATERIALS	QCD-105 TO QCD-115-10	ATTACHED	ATTACHED

Supplying and manufacturing companies those consider themselves qualified to supply

The above Raw materials are requested to submit their offers .CFR Benghazi in accordance with the following terms and conditions

1- Offer validity should be defined. (Max possible validity)

2- **Packing:**

Material to be packed on pallets, wrapped and covered.

3- Material expiry date should be shown on the packing label [sacks or drums] – which should be not less than (3) years

4- Freight charge must be at Benghazi port (CFR).

5- Safety data sheets and analyses for chemicals should be provided

6- Suppliers have the right to submit different offers(**one or more**) from different sources [USA-ASIA-EUROPE-Etc].

7- Payment terms should be defined (**Prefer. Cash. Against Documents CAC**)

8- Bid closing date is (4) weeks.

9- Suppliers should send two separate offers

Technical offer (un-priced) to be addressed to the materials manager in sealed envelope a copy to be faxed or Emailed to the attention of the materials manager

*- Commercial offer

- If less than 10, 000.00 Euro (ten thousand) to be addressed to the Materials Manager by fax or E.mail.

- If the commercial offer is more than 10, 000.00 Euro (ten thousand) it should be sent in sealed envelope and addressed to the chair man of the purchasing committee.

JOWFE CO. FOR OIL TECHNOLOGY

015 km GAMINES ROAD

-P.O. BOX 9019 BENGHAZI – LIBYA.

Required Documents:

- Original commercial invoice.
- Authenticated certificate of origin.
- Original bill of lading (B/L). (3 origin)
- Packing list
- Bank details
- Inspection certificate [IF REQUIRED].

Documents should be notarized by the Libyan bureau.

In case the received materials were out of specifications, supplier will be obliged to take all responsibilities.

- Documents should be notarized by the Libyan Bureau.

Best Regards

Massoud Eddhib

Materials Manag

ORDER REF.	RM	QTY.	Name	Specification
QCD-112-10	004	15 MT	Isopropyl Alcohol	Appearance : Clear bright colourless liquid Specific Gravity at 20 ⁰ C : 0.783 to 0.786 Water Content : Less than 0.1 % Boiling Range : 81 to 83 ⁰ C Non Volatile Residue : Less than 0.01 %
QCD-112-10	006	15 MT	Tall Oil Fatty Acid 3% 48 MT	Appearance : Pale yellow slightly viscous liquid . Acid Value : 190 to 196 mgKOH/g. Saponification Value : 191 - 195 mgKOH/g. Free Rosin Acids ; Less than 3 % Free Fatty Acid : 93 to 96 % Flash Point (PMCC) : Greater than 100 ⁰ C
QCD-112-10	015	10 MT	Dimethyl Aminopropyl Amine	Appearance : Clear colourless liquid . Specific Gravity @ 20 ⁰ C : 0.818 typical Total Amine Value : 1070 to 1130 mgKOH/g Assay (by Gas Chromatography) : Greater than 99 % Water Content : Less than 0.5 % Boiling Range : 132 to 140 ⁰ C Flash Point (PMCC) : 32 ⁰ C Pour Point : Below -30 ⁰ C
QCD-112-10	016	15 MT	Amino Ethyl *Ethanol Amine 10 MT	Appearance : Colourless to pale yellow liquid . Specific Gravity @ 20 ⁰ C : 1.03 Total Amine Value : 1180 to 1270 mgKOH/g Assay (by GC) : Greater than 99 % Flash Point (PMCC) : 144 ⁰ C Boiling Point : 140 -243 ⁰ C Pour Point : Below -25 ⁰
QCD-112-10	019	15 MT	Glacial Acetic Acid 4 MT	Appearance : clear colourless liuquid at room temperature . Specific Gravity @ 20 ⁰ C : 1.048 to 1.051 Assay : Greater than 99.5 % Non Volatile Matter : Less than 0.005 % Chlorides as Cl : Less than 3 p.p.m. Sulphates as SO ₄ : Less than 5 p.p.m. Heavy Metals as Pb : Less than 3 p.p.m Formic Acid : Lessthan 0.35 % Aldehydes as Acetalaldehyde: Less than 0.15 % Melting Point : 17 ⁰ C
QCD-112-10	024	15 MT	Sodium Bicarbonate	Appearance: white easy flowable powder. Loss on drying: 0.20 % NaHCO ₃ : 99.0 % Min. Chloride (cl) ; 0.4 % Max. pH Value : 8.65. ARSENIC (As): 0.0001 %
QCD-112-10	026	17 MT	Coconut Fatty Acid	Appearance : White to pale yellow solid at 20 ⁰ C . Specific Gravity @ 75 ⁰ C : 0.85 typical Acid number : 250 to 265 mgKOH/g Pour Point : 22 to 26 ⁰ C Flash Point (PMCC): 175 ⁰ C Saponification Value : 265 to 275 Free Fatty Acid : 98%

ORDER REF.	RM	Name	Specification
QCD-112-10	029	Soya Bean Oil 8 MT	Appearance : Pale yellow to amber clear liquid . Specific Gravity @ 20 ⁰ C : 0.922 to 0.936 Viscosity at 20 ⁰ C : 500 cp typical Free Fatty Acid : Less than 0.05 % Saponification Value : 185 to 195 Water Content : Less than 0.1 % Flash Point (PMCC) : 280 ⁰ C Pour Point : -8 ⁰ C Acid Number : Less than 5 mgKOH/g.
QCD-112-10	036	Naphthenic Acid	Appearance : Viscous dark brown to black clear liquid . Water Content : Less than 0.3 % Neutralisation Value : 120 to 130 mgKOH/g. Specific Gravity at 15 ⁰ C : 0.974 typical Sodium Content : Less than 25 ppm. Pour Point : Below -5 ⁰ C
QCD-112-10	037	Benzyl Chloride 10 MT	Appearance : Bright colourless lacrimatory liquid . Specific Gravity @ 20 ⁰ C : 1.10 typical Flash Point (PMCC) : 67 ⁰ C Boiling Point : 179.3 ⁰ C Purity (by GC) : Greater than 99.0 % Freezing Point : -39 ⁰ C
QCD-112-10	039	Maleic Anhydride 19 MT	Appearance : White crystalline pellets . Assay : Greater than 97 % Melting Point : 52 to 55 ⁰ C Sulphated Ash : Less than 0.05 % Density : 0.934 g/cc. Typical
QCD-112-10	042	Unitol AC Blend of Tall Oil Fatty Acids 26 MT	Appearance : Dark amber to brown bright liquid . Acid Number : 145 mgKOH/g. Rosin Acid Content : 16 % typical Specific Gravity : 0.962 to 0.968 typical Pour Point : -5 ⁰ C
QCD-112-10	046	Isodecanol 13 MT	Appearance : Bright clear liquid . Specific Gravity @ 20 ⁰ C : 0.841 Water Content : Less than 0.03 % Distillation Range : Initial Boiling Point 214.6 ⁰ C Dry Point 221.5 ⁰ C Flash Point (PMCC) : 97 ⁰ C Pour Point : Below -20 ⁰ C
QCD-112-10	050	Mono Ethylene Glycol	Appearance : clear bright water white liquid with no solids or sediment . Specific Gravity @ 20 ⁰ C : 1.114 to 1.116 Water Content : Less than 0.5 % Boiling Range : 95 % between 194 ⁰ C and 199 ⁰ C Solubility : Miscible with water in all proportions

No.	RM	Name	Specification
.1	053	Morpholine	Appearance : Clear bright colourless liquid . Specific Gravity @ 20 °C : 1.0 typical Flash Point (PMCC) : 31 °C pH (5 % in water) : 10.1 typical Pour Point : -4 °C Assay (by GC) : Greater than 98%
.2	057	PPG 5000 Propylene Glycol Average molecular weight 5000 4 MT	Appearance : Clear and bright pale yellow liquid . Specific Gravity @ 20 °C : 1.005 typical Flash Point (PMCC) : Greater than 100 °C Pour Point : -10 °C
.3	062	Citric Acid (Anhydrous BP) 4 MT	Appearance : Fine white free flowing powder . Assay : Greater than 99.5 % Water Content : Less than 1 % Melting Point : 153 °C Density : 1.54 Kg /L Flash Point (PMCC) : Non flammable
.4	067	Soya Lecethin 3 MT	Appearance : Dark brown viscous liquid . Acetone Insolubles : Greater than 62 % Toluene Insolubles : Less than 0.3 % (Met.074) Acid Value : Less than 28 mgKOH/g. Specific Gravity @ 20 °C : 0.984 typical
.5	075	Sodium Metabisulphite 5 MT	Appearance : White to almost white fine crystalline free flowing powder . Assay : 96.5 % minimum as Na ₂ S ₂ O ₅ Bulk Density : 1152 Kg/M ³ Melting Point : Decomposes before melting (Met.045)
.6	092	Vantocil 1B	Appearance : Clear bright pale yellow odourless liquid . Specific Gravity @ 20 °C : 1.04 typical pH : 5.5 typical
.7	204	TRI Ethylene Glycol	Appearance : clear bright colorless substantiality free of suspended matters. Flash point : 168 °C Freezing point : -7.2 °C distillation Range : 278 °C - 295 °C WATER Solubility % : > 10 Specific Gravity at 20C ⁰ : 1.13 PH : 7 WATER , wt% : 0.10 Max

No.	RM	Name	Specification
.8	J1004	Nonyl Phenol+30EO 2 MT	Appearance: white solid Active Content (%) : Virtually 100 Water Content (%) : Usually below 0.5 Density @ 50 C (g/L) : 1.1 Set Point : 40 Cloud point(1% in 10 % NaCl solution) : 74 Hydroxyl Number : 33-39 mg KOH/g PH (2%Solution) : 5-7
.9	J1005	*Tallow DIamine+9.5EO 10 MT	Total Amine Value : 135 to 145 MGKOH/G

ORDER REF.	RM	QTY	Name	Specification
(QCD-109-10)	092	22 MT	Vantocil 1B	Appearance : Clear bright pale yellow odourless liquid . Specific Gravity @ 20 ⁰ C : 1.04 typical pH : 5.5 typical
(QCD-108-10)	053	22MT	Morpholine	Appearance : Clear bright colourless liquid . Specific Gravity @ 20 ⁰ C : 1.0 typical Flash Point (PMCC) : 31 ⁰ C pH (5 % in water) : 10.1 typical Pour Point : -4 ⁰ C Assay (by GC) : Greater than 98%
(QCD-107-10)	036	6 MT	Naphthenic Acid	Appearance : Viscous dark brown to black clear liquid . Water Content : Less than 0.3 % Neutralisation Value : 120 to 130 mgKOH/g. Specific Gravity at 15 ⁰ C : 0.974 typical Sodium Content : Less than 25 ppm. Pour Point : Below -5 ⁰ C
(QCD-106-10)	050	500Drums* 200 latter	Mono Ethylene Glycol	Appearance : clear bright water white liquid with no solids or sediment . Specific Gravity @ 20 ⁰ C : 1.114 to 1.116 Water Content : Less than 0.5 % Boiling Range : 95 % between 194 ⁰ C and 199 ⁰ C Solubility : Miscible with water in all proportions
(QCD-105-10)	204	1000Drums *200 latter	TRI Ethylene Glycol	Appearance : clear bright colorless substantiality free of suspended matters. Flash point : 168 ⁰ C Freezing point : -7.2 ⁰ C distillation Range : 278 ⁰ C - 295 ⁰ C WATER Solubility % : > 10 Specific Gravity at 20C ⁰ : 1.13 PH : 7 WATER , wt% : 0.10 Max