

2025 MATERIAL SOURCING LIST ; Updated January 2025

Sr	COMMODITY	9COM	SHORT DESCRIPTION	LONG DESCRIPTION
1	Air Conditioning	6000012733	CHILLER: ABSORPTION; WATER COOLED	CHILLER; ANY TYPE ANY SUPPLY,AHRI 560,UL-1995 ASHRAE 90.1,ABSORPTION, SUSTAINABLE, HIGH EFFICIENCY, COMPRESSOR-LESS, WATER COOLED DIRECT FIRED OR EXCESS/WASTE STEAM/HEAT FOR HVAC APPLICATION.
2	Compressors	6000002338	COMPRESSOR; DRY-SCREW, FOR AIR SERVICE	COMPRESSOR; DRY-SCREW TYPE,31-SAMSS-002, FOR AIR SERVICE
3	Drilling & Chemicals	1000021558	CALCIUM HYDROXIDE (HYDRATED LIME)	CALCIUM HYDROXIDE (HYDRATED LIME) ADDITIVE DRILLING FLUID; DRY, FREE FLOWING FINE POWDER FORM,CALCIUM HYDROXIDE, CA(OH)2, FOR TO CONTROL PH, BICARBONATE, AND H2S CONTAMINATION. LIME IS ALSO A PRIMARY COMPONENT OF INVERT EMULSION MUDS,CALCIUM HYDROXIDE (HYDRATED LIME),25 KG (55.1 LBS.) MULTI WALLED PAPER BAG WITH INNER POLYETHYLENE SEALED LINER. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL „ADDITIVE DRILLING FLUID DRY, FREE FLOWING FINE POWDER FORM, CALCIUM HYDROXIDE, CA(OH)2, FOR TO CONTROL PH, BICARBONATE, AND H2S CONTAMINATION. LIME IS ALSO A PRIMARY COMPONENT OF INVERT EMULSION MUDS, CALCIUM HYDROXIDE (HYDRATED LIME), 25 KG (55.1 LBS.) MULTI WALLED PAPER BAG WITH INNER POLYETHYLENE SEALED LINER. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL . CALCIUM HYDROXIDE CA(OH)2 HYDRATED LIME - TECHNICAL GRADE USED TO INCREASE T PH AND TO PROVIDE CALCIUM IONS IN DRILLING AND COMPLETION FLUIDS TO MAINTAIN A BASIC PH. IT IS AN ESSENTIAL ADDITIVE AS A MEANS OF ADJUSTING THE ALKALINITY WHEN BICARBONATE/CARBONATE AN H2S CONTAMINATIONS EXIST IN ADDITION, LIME IS USE FOR MAINTAINING THE ALKALINITY OF OIL-BASED DRILLING FLUIDS TO ACTIVATE THE FATTY ACID BASED EMULSIFIERS AND OFFERS A DEGREE OF CORROSION PROTECTION. CHEMICAL AND PHYSICAL SPECIFICATIONS WHITE POWDER CALCIUM HYDROXIDE CA(OH)2: 90% WT. MINIMUM MOISTURE: 1%WT. MAXIMUM PH: 12 MINIMUM - SATURATED SOLUTION IN DI WATER AT 68°F (20°C) SPECIFIC GRAVITY AT 68°F (20°C): 2.2 - 2.4 INSOLUBLE IMPURITIES IN 15% HYDROCHLORICACID): 0.2% WT. MAXIMUM MAGNESIUM AN ALKALI SALTS:2.5% WT. MAXIMUM IRON CONTENT: 0.1 WT. MAXIMUM PASS THROUGH 75 MM SIEVE (WET SCREEN): >97%. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
4	Drilling & Chemicals	1000021602	HIGH TEMPERATURE FLUID LOSS CONTROL	HIGH TEMPERATURE FLUID LOSS CONTROL POLYMER ADDITIVE DRILLING FLUID; POWDER FORM,COPOLYMER, FOR FILTRATION CONTROL AGENT FOR ALL TYPES OF WATER-BASED MUDS FOR TEMPERATURES UP TO 500 °F (260 °C),ANIONIC ACRYLAMIDE METHYLPROPANESULFONIC ACIDS COPOLYMER,50 LBS.(22.7 KG). MULTI-WALLED PAPER BAG. THE CONSTRUCTION OF THE MULTI-WALLED PAPER BAG SHALL BE AS FOLLOWS: 1STPLY 50 LB. MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 50 LB. MIN. NATURAL KRAFT PAPER 3RD PLY SEPARATE INNER LINER, HIGH DENSITY ORIENTED, CROSS-LAMINATED. POLYETHYLENE RESIN INNER LINER(TUBULAR SHAPE) WITH A MINIMUM WALL THICKNESS OF 0.1 MM. 4TH PLY 50 LB. MIN. NATURAL KRAFT PAPER. 5TH PLY 60 LB. MIN. NATURAL KRAFT PAPER WET STRENGTH (EXTERIOR PLY) THE BAG MUST BE VALVE/SPOUT TYPE, COMPLETELY SEALED, MOISTURE AND WATER PROOF SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL„HIGH TEMPERATURE FLUID LOSS CONTROL POLYMER: A WHITE POWDER OF ANIONIC ACRYLAMIDE ETHYLPROPANESULFONIC ACIDS (AMPS) COPOLYMER USED AS A FILTRATION CONTROL AGENT FOR ALL TYPES OF WATER BASED FLUIDS WHILE BEING INSENSITIVE TO HIGH CONCENTRATIONS OF SALTS INCLUDING CALCIUM CHLORIDE AND WILL TOLERATE BOTTOM-HOLE TEMPERATURES UP TO 500 °F (260°C). IT DOES NOT HYDROLYZE AND WILL PERFORM OVER A BROA PH RANGE (7 - 12) WITHOUT LIBERATION OF AMMONIA GA AND VERY TOLERANT OF CEMENT CONTAMINATION. OTHER ASSOCIATED ELEMENT MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSE AFFECT FLUID PROPERTIES. CHEMICAL AND PHYSICAL SPECIFICATIONS: COLOURS TO YELLOWISH POWDER COMPLETELY SOLUBLE IN DI WATER. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAM BATCH NUMBER, PRODUCTION DATE, SAP NUMBER EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
5	Drilling & Chemicals	1000021678	FINE MUSCOVITE MICA	FINE MUSCOVITE MICA ADDITIVE DRILLING FLUID; AN EXPORT PACKING MANUAL NOTE. FORM,MICA, FOR LOST CIRCULATION,MUSCOVITE MICA,50 LBS. (22.7 KG) MULTI-WALL BAG, VALVE/SPOUT TYPE COMPLETELY SEALED. THE CONSTRUCTION OF THE MULTI- WALLED PAPER BAG SHALL BE A FOLLOWS: 1ST PLY 75 LB. MIN NATURAL KRAFT PAPER (INTERIOR PLY)2ND PLY 75 LB MIN. NATURAL KRAFT PAPER. 3RD PLY 80 LB. MIN. NATURAL KRAFT PAPER (EXTERIOR PLY) SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO,FINE MUSCOVITE MICA: USE FOR COMBATING LOSS OF CIRCULATION DURING THE DRILLING OPERATIONS. FIN MICA CAN BE USED IN BOTH OIL AND WATER-BASED DRILLING MUDS. CHEMICAL AND PHYSICAL SPECIFICATIONS: SILVERY, FLAT, FLAKY STRUCTURE MUSCOVITE MICA CONTENT: 95%WT. MINIMUM SPECIFIC GRAVITY: 2.2 - 2.8. CHEMICALLY INERT NON-ABRASIVE MUSCOVITE MINERAL (POTASSIUM-ALUMINA-SILIC) SIEVE ANALYSIS REQUIRED: PASS THROUGH 1 MESH SCREEN 100%WT. RETAINED ON 40 MESH SCRE 10%-25% WT RETAINED ON 8 MESH SCREEN 40%-50%WT RETAINED ON 100 MESH SCREEN 25%-40%WT PASS THROUGH 100 MESH SCREEN 0.0%-10%WT SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO).LABEL: PRODUCT NAM BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, S NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAM AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
6	Drilling & Chemicals	1000022178	STUCK PIPE SPOTTING FLUID	ADMIXTURE, DRILLING MUD: INVERTED EMULSION MUD COMPONENTS, TO FREE STUCK PIPES (EMULSIFIER), SPECIAL BLEND OF LIQUID, ADDITIVE DRILLING FLUID; LIQUID FORM,SURFACTANT, FOR IT IS USED IN A PILL TO DEHYDRATE AND PENETRATES THE WALLCAKE, OIL WETS AND LUBRICATES THE STRUCK PIPE TO REDUCE THE FORCE REQUIRED TO FREE STUCK PIPE. SURFACTANTS AND CONCENTRATED EMULSIFIERS AND LUBRICANTS;55 GAL (208 LITER) DRUM SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL „STUCK PIPE SPOTTING FLUI A LIQUID BLEND OF LUBRICANTS, VISCOSIFIERS OIL WETTING SURFACTANTS CONCENTRATED EMULSIFIERS AND LUBRICANTS. SPOTTING AND SOAKING A PILL OF TH MIXTURE AROUND THE STUCK PIPE, DEHYDRATES AND PENETRATES THE WALLCAKE, OIL WETS AND LUBRICATES THE DRILLSTRING TO REDUC THE FORCE REQUIRED TO FR STUCK PIPE.CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: DARK BROWN VISCOUS LIQUID. FLASH POINT (PMCC): > 84°F (28.9°C)SPECIFIC GRAVITY 68°F (20°C):0.90 - 0.98 SAUDI ARAMCO RESERVES TH RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSU COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BAT NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAM AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
7	Drilling & Chemicals	1000182387	CHEMICAL: GR TECHNICAL, 2-(2	CHEMICAL; GR TECHNICAL,2-(2 AMINOETHOXY) ETHANOL, FOR ACID INHIBITOR TO REMOVE CO2 & H2S FROM NATURAL GAS (SWEETENING PROCESS),LIQUID FORM,BULK DELIVERY, IMPORT 18927 0.1 (5000 US GAL),2-(2AMINOETHOXY) ETHANOL,DIGLYCOLAMINE "DGA", MISCIBLE WITH WATER & ALCOHOLS, 1.0572 RELATIVE DENSITY AT 20/20 DEG C
8	Drilling & Chemicals	1000182780	ANTIFREEZE: MONO ETHYLENE GLYCOL (MEG)	ANTIFREEZE: MONO ETHYLENE GLYCOL (MEG) TYPE,SPECIFIC GRAVITY 20/20 C 1.115-1.116, DISTILLATIO RANGE 196.0-199.0 DEG C 760 MM HG, WATER (W/W) 0.05% MAX, IRON (PPM W/W) 0.1 MAX, ACIDITY WT AS ACETIC ACID 0.001% MAX TECHNICAL, LIQUID, BULK DELIVERY AT SITE, ARAMCO LABORATORY ANALYSIS IS REQUIRED REQUIRES SAUDI ARAMCO HAZCOM LABEL IN M 1000644200 (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)
9	Drilling & Chemicals	1000185026	OXYGEN SCAVENGER - SODIUM SULFITE	OXYGEN SCAVENGER - SODIUM SULFITE ADDITIVE DRILLING FLUID; WHITE POWDER. FORM, FOR REMOVING SOLUBLE OXYGEN FROM WATER-BASED DRILLING FLUIDS AND MONOVALENT BRINES,SODIUM SULFITE,60 KG (132 LB) PLASTIC RIMMED FIBER OR METAL DRUM WITH POLYETHYLENE LINER, SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL,OXYGEN SCAVENGER - SODIU SULFITE: ANHYDROUS SODIU SULFITE (NA2SO3) COMMERCIAL GRADE. USED F REMOVING SOLUBLE OXYGEN FROM WATER-BASED DRILLIN FLUIDS AND MONOVALENT BRINES. IT REACTS WITH DISSOLVED OXYGEN TO REDU OXYGEN CORROSION TO FORM SULFATE [SO4-2]. THIS REACTION REQUIRES A COBA CATALYST IN THIS CHEMICAL SOLUBLE OXYGEN REMOVAL USING SMALL AMOUNTS OF THIS PRODUCT REDUCES THE THERMAL DEGRADATION RATE OF THE DRILLING FLUIDS ORGANIC POLYMERS IN HIGH TEMPERATURE WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: PURITY: ANHYDROUS SODIUM SULFITE (NA2SO3): 95%WT. MINIMUM WHITE TO OFF-WHITE POWDE CATALYZED WITH COBALT: 0.03%WT. MINIMUM PH (1% SOLUTION IN DI WATER): HIGHER THAN 8. SAUDI ARAMCO RESERVES THE RIGH TO COLLECT REPRESENTATIV PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
10	Drilling & Chemicals	1000187178	ANTIFREEZE: TRIETHYLENE GLYCOL, LIQUID	ANTIFREEZE: TRIETHYLENE GLYCOL TYPE,CAS NO: 112-27-6. MOLECULAR WEIGHT 150 G/MOL, BOILING POINT 285 DEGREE C. PURITY : MORE THAN OR EQUAL 99 (TYPICA IS 99.8) BASED ON ASTM E2409. DEG CONTENT IS LE THAN OR EQUAL 0.5 PERCENT WEIGHT BASED ON ASTM E2409, WATER/MOISTURE: LESS THAN OR EQUAL 0.2 WEIGHT PERCENT BASED ON ASTM E1064. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)
11	Drilling & Chemicals	1000720918	POLYSTYRENE COPOLYMER BEADS - COARSE	POLYSTYRENE COPOLYMER BEADS - COARSE ADDITIVE DRILLING FLUID; COARSE GRADE SPHERICAL DRY BEADS FORM, DIVINYL BENZENE STYRENE COPOLYMER BEADS, FOR PROVIDE MECHANICAL LUBRICATION, REDUCE TORQUE AND DRAG WHILE DRILLING AND PREVENT CASING WEAR IN WBM OR OBM. DIVINYL BENZENE STYRENE COPOLYMER,50 LBS. (22.7 KG) BAG SHIPMENT OF PRODUCT SHALL CONFIRM TO SAUDI ARAMCO EXPORT PACKING MANUAL, POLYSTYRENE COPOLYMER BEADS - COARSE: COARSE GRADE, SPHERICAL DRY BEA OF DIVINYL BENZENE STYRE COPOLYMER, CHEMICALLY INERT, THAT WILL NOT BE UNDER EXTREME STRESS AND IMPACT TO PROVIDE MECHANICAL LUBRICATION, REDUCE TORQUE AND DRAG A PREVENT CASING WEAR WHILE DRILLING WITH WBM OR OBM CHEMICAL AND PHYSICAL SPECIFICATIONS:SPHERICA DRY BEADS SPECIFIC GRAVITY: 1.06 TO 1.3 SOFTENING EMPERATURE -> 500°F (260°C) AXIAL DEFORMATION @ 16,000 PSI @ 5.5 MM MAXIMUM PARTICLE SIZE RANGE: 100 TO 1000 MICRONS SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.

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12	Drilling & Chemicals	100075781	H2S SCAVENGER-ZINC-FREE IRON GLUCONATE	H2S SCAVENGER-ZINC-FREE IRON GLUCONATE ADMIXTURE DRILLING MUD; POWDER FORM,IRON GLUCONATE,FOR SCAVENGES HYDROGEN SULFIDE FROM DRILLING FLUIDS,IRON GLUCONATE,25 KG (55.1 LBS.) PAIL OR SEALED BAG, VALVE/SPOUT TYPE, COMPLETELY SEALED, MOISTURE AND WATERPROOF. THE CONSTRUCTION OF THE MULTI-WALLED PAPER BAG (CONTAINER) SHALL BE AS FOLLOWS: 1ST PLY 75 LB. MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 75 LB. MIN. NATURAL KRAFT PAPER 3RD PLY SEPARATE INNER BAG LINER, HIGH DENSITY ORIENTED AND CROSS-LAMINATED INNER POLYETHYLENE RESIN LINER (TUBULAR SHAPE) WITH A MINIMUM WALL THICKNESS OF 0.1 MM. 4TH PLY 80 LB. MIN. NATURAL KRAFT PAPER (EXTERIOR PLY). SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,H2S SCAVENGER-ZINC-FREE IRON GLUCONATE: A HIGHLY WATER SOLUBLE GRANULAR POWDER OF IRON GLUCONATE WITH NO HAZARDOUS SUBSTANCES AND USED TO SCAVENGE HYDROGEN SULFIDE FROM WATER-BASED AND OIL-BASED DRILLING FLUID CHEMICAL AND PHYSICAL SPECIFICATIONS: PURITY (IRON GLUCONATE): >90%WT APPEARANCE: LIGHT YELLOW-GREEN GRANULAR POWDER PH (1% DI WATER SOLUTION):4-5.5 SOLUBILITY: 100% SOLUBLE IN WATER ONE LB./8BBL. OF PRODUCT REMOVES APPROXIMATELY 150-220 MG/LITER SOLID BULK DENSITY: 650-850 KG/M3 @ 68°F (20°C). SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
13	Drilling & Chemicals	100075782	ACID SOLUBLE SPUN MINERAL FIBER LCM	ACID SOLUBLE SPUN MINERAL FIBER LOSS CIRCULATION MATERIAL ADDITIVE DRILLING FLUID; FIBER AND POWDER FORM,SPUN MINERAL FIBER,FOR COMBATING LOSS CIRCULATION BY PLUGGING VUGULAR AND FRACTURED FORMATIONS DURING DRILLING AND WORKOVER OPERATIONS,SPUN CRYSTALLINE SILICA MINERAL FIBER OR POWDER, 30 LB. (13.61KG) SEALED BAG, THE CONSTRUCTION OF THE MULTI-WALLED PAPER BAG SHALL BE AS FOLLOWS: 1ST PLY 30 LB. MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 30 LB. MIN. NATURAL KRAFT PAPER 3RD PLY SEPARATE INNER BAG LINER, HIGH DENSITY ORIENTED AND CROSS-LAMINATED INNER POLYETHYLENE RESIN LINER (TUBULAR SHAPE) WITH A MINIMUM WALL THICKNESS OF 0.1 MM. 4TH PLY 30 LB. MIN. NATURAL KRAFT PAPER. 5TH PLY 30 LB. MIN. NATURAL KRAFT PAPER WET STRENGTH (EXTERIOR PLY) THE BAG MUST BE VALVE/SPOUT TYPE, COMPLETELY SEALED, MOISTURE AND WATERPROOF. SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.ACID SOLUBLE SPUN MINERAL FIBER LOST CIRCULATION MATERIAL: A SPECIALLY PROCESSED EXTRUSION OF SPUN CRYSTALLINE SILICA MINERAL FIBER AND POWDER USED FOR COMBATING LOSS CIRCULATION BY PLUGGING VUGULAR AND FRACTURED SUBSURFACE FORMATIONS DURING DRILLING OR WORKOVER OPERATIONS. THE PRODUCT IS 100% INORGANIC NON-FERMENTING, NON-CORROSIVE, NON-TOXIC CONTAINS NO ASBESTOS, AN TEMPERATURE STABLE. IT IS COMPATIBLE WITH OIL-BASE AND WATER-BASED FLUID SYSTEMS. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: WHITE TO GRAY COLOR, ODOORLESS INORGANIC AND NON-FERMENTING INSOLUBLE IN WATER, SOLUBILITY IN 15% HCL: 9 MINIMUM PH (1% AQUEOUS SOLUTION): 7-8 BULK DENSITY @ 68°F (20°C): 12-26 LBS./GALLON. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
14	Drilling & Chemicals	1000774250	POTASSIUM FORMATE (75% SOL, WATER 25%)	ADMIXTURE DRILLING MUD; LIQUID FORM,POTASSIUM FORMATE SOLUTION (KCOOH & H2O),FOR FORMULATING SOLIDS FREE WORKOVER FLUIDS FOR USE IN THE KHUFF AND PRE-KHUFF FORMATION,POTASSIUM FORMATE 75% AND WATER 25% SOLUTION, CLEAR LIQUID, DENSITY 1570 KG/M3 @ 20 DEG C, PH 10.0 @ 25 DEG C,1000 LITER (1570 KG) IBC OR TOTE CONTAINER (IRON),IRON LESS THAN 10 PPM, CHLORIDE CONTENT LESS TH 40 PPM, TURBIDITY MAX 10 NTU, SOLUBLE IN ALL PROPORTIONS IN WATER EXPORT PACKING MANUAL. T ORIGINAL MANUFACTURER, PRODUCT NAME, BATCH NUMBER, DATE OF PRODUCT OF MATERIAL, EXPIRATION DATE IF REQUIRED STOCK NUMBER ND COUNTRY OF ORIGIN BE PRINTED ON THE CONTAINER ITSELF. AUTHORIZED SAUDI ARAMCO PERSONNEL WILL CARRY OUT PROPER SAMPLING AND TESTING, AS NEEDED. PRODUCT MANUFACTURER AND OR SUPPLIER REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)1000774250
15	Drilling & Chemicals	1000775823	CLAUS CATALYST, TITANIUM DIOXIDE	CATALYST, TITANIUM DIOXIDE TYPE.FOR CLAUS SULFUR PLANTS,CYLINDRICAL EXTRUDED 3-6 MM NOMINAL SIZE FORM,800-1100 KG (1763-2425 LB) SLING BAG, 140-200 KG (308-441 LB) DRUMS,TITANIUM DIOXIDE CLAUS CATALYST MAXIMISES HYDROLYSIS ACTIVITY FOR COS AND CS2, BULK DENSIT LESS THAN OR EQUAL TO 70 -1100 KG/M3 (43 - 69 LBS/CU FT), TOTAL PORE VOLUME 0.40 -0.60 CM3/GRAM, CRUSH STRENGTH MEASURED ON NOT LESS TH 50 BALLS SHOULD BE GREAT THAN OR EQUAL TO 14 KG, SURFACE AREA 100-260 M2/GRAM, USED IN CLAUS SULFUR REACTORS (CONVERTERS) IN GAS PLAN & REFINERIES (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)
16	Drilling & Chemicals	1000813534	CALCIUM CARBONATE FLAKES-FINE	CALCIUM CARBONATE FLAKES-FINE ADDITIVE DRILLING FLUID; FLAKES FORM,SIZED FLAKES OF CALCIUM CARBONATE,FOR USED AS BRIDGING AGENT TO CONTROL LOSS CIRCULATION AND SEEPAGE LOSSES.,FINE WHITE FLAKES OF SIZED CALCIUM CARBONATE.,50 LB. (22.7 KG) MULTI- WALLED BAG, VALVE/SPOUT TYPE, COMPLETELY SEALED. THE CONSTRUCTION OF THE MULTI-WALLED PAPER BAG SHALL BE AS FOLLOWS: 1ST PLY 75 LB. MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 75 LB. MIN. NATURAL KRAFT PAPER (EXTERIOR PLY) 3RD PLY 80 LB. MIN. NATURAL KRAFT PAPER. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL,CALCIUM CARBONATE FLAKES-FINE ADDITIVE DRILLING FLUID FORM,SIZED FLAKES OF CALCIUM CARBONATE,FOR USED AS BRIDGING AGENT TO CONTROL LOSS CIRCULATION AND SEEPAGE LOSSES.,FINE WHITE FLAKES OF SIZED CALCIUM CARBONATE.,50 LB. (22.7 KG) MULTI- WALLED BAG, VALVE/SPOUT TYPE, COMPLETELY SEALED. THE CONSTRUCTION OF THE MULTI-WALLED PAPER BAG SHALL BE AS FOLLOWS: 1ST PLY 75 LB. MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 75 LB. MIN. NATURAL KRAFT PAPER. 3RD PLY 80 LB. MIN. NATURAL KRAFT PAPER (EXTERIOR PLY). SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL,CALCIUM CARBONATE FLAKES-FINE.FINEWHITE FLAKES OF SIZED CALCIUM CARBONATE, USED AS BRIDGING AGENT TO CONTROL LOSS CIRCULATION AND SEEPAGE LOSSES IN A VARIETY OF DRILLING FLUIDS. OTHER ASSOCIATED ELEMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSELY AFFECT FLUID PROPERTIES. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: FINE WHITE FLAKES SOLUBILITY IN 15% HCL: 98%WT. MINIMUM CRYSTALLINE SILICA: 0.1 WT.% MAXIMUM SPECIFIC GRAVITY @ 68°F (20°C):2.72 - 2.78 PARTICLE SIZE DISTRIBUTION: CUMULATIVE RETAINED 30 US MESH: 5% WT. MAXIMUM 60 US MESH: 45 - 55% WT. 100 US MESH: 70 - 80% WT. 200 US MESH: 85 - 95% WT. D50 = 200 - 250 MICRONS MOISTURE: 1%WT. MAXIMUM IRON CONTENT: 0.1%WT. MAXIMUM SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE SUPPLIER ARE REQUIRE TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY) FLAKES. PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
17	Drilling & Chemicals	1000840182	AGENT, FLOW IMPROVER	AGENT; FLOW IMPROVER TYPE,FOR DRAG REDUCING AGENT,ISO TANK/ 6000 US GALLON,DENSITY: 8.0 LBS/GAL (0.96 G/CM3), FLASH POINT: NOT APPLICABLE, VISCOSITY: 350 CP @ 5115-1 (NON-NEWTONIAN),(AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)
18	Drilling & Chemicals	1000845427	THINNER MODIFIED TANNIN - DRILL THIN	HIGH TEMPERATURE THINNER ADDITIVE DRILLING FLUID; BROWN COLORED POWDER FORM,MODIFIED TANNIN COMPOUND,FOR USED AS MUD CONDITIONER PROVIDING RHEOLOGY CONTROL IN WATER BASE FLUIDS WITH MAXIMUM DEFLOCCULATING AND SHEAR STRENGTH REDUCTION AT LOW CONCENTRATIONS.,25 LB MULTIWALL PAPER BAGS,APPEARANCE: BROWN COLORED POWDER,PH (2% DI WATER: 7-9) SPECIFIC GRAVITY @ 20 DEG C: 1.5 MINIMUM, CRYSTALLINE SILICA (QUARTZ): 1% MAXIMUM CONTAINER MUST BE PROPER LABELED WITH, VENDOR'S NAME, MANUFACTURER'S NAME LOCATION, PRODUCTION DATE AND BATCH NUMBER. SAUDI ARAMCO WILL CARRY OUT PROPER SAMPLING AND TESTING AS NEEDED. PRODUCT MANUFACTURER AND OR SUPPLIER REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION. MAN REFS;
19	Drilling & Chemicals	1000845612	MICROMAX - MANGANESE TETROXIDE	MICROMAX - MANGANESE TETROXIDE ADDITIVE DRILLING FLUID; FINE REDDISH BROWN POWDER FORM,FINE REDDISH BROWN POWDER OF MANGANESE TETROXIDE (MN3O4) WITH AVERAGE PHERICAL PARTICLE DIAMETER 0.5 - 2 MICRONS. IT IS USED AS WEIGHT MATERIAL IN DRILLING, COMPLETION AND CEMENTING FLUIDS TO REACH HIGH DENSITY DRILLING FLUIDS WITH LOW EQUIVALENT CIRCULATING DENSITY (ECD), MINIMAL SAG AND CAUSE LESS FORMATION DAMAGE. THE CHEMICAL AND ITS ASSOCIATED ELEMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR PROPERTIES.FOR USED AS WEIGHT MATERIAL IN DRILLING, COMPLETION AND CEMENTING FLUIDS,MANGANESE TETRAOXIDE,1000 KG (2204 LBS.) MULTI -WALL MOISTURE-PROOF POLYETHYLENE LINER BAGS WITH LIFTING STRAPS, WITHOUT BOTTOM SPOUT. LIFTING STRAP BAG IS DISPOSABLE, TOP CLOSURE WATERTIGHT, STACKABLE. MINIMUM TENSILE STRENGTH FACTOR 5, FLEXURAL STRENGTH FOR NORMAL HANDLING & OUTSIDE STORAGE. THE DISPOSABLE SUPER SACKS SHOULD HAVE AT LEAST 75% OF THEIR SHELF LIFE REMAINING (THE PERIOD FROM DATE OF MANUFACTURING TO THE WARRANTED EXPIRATION DATE) WHEN SHIPPED TO PLACE OF DELIVERY TO SAUDI ARAMCO. REFER TO SAP NUMBER: 1000840600 FOR ADDITIONAL SUPER SACKS SPECIFICATIONS. SUPPLIERS ARE REQUIRED TO WEIGH THE TRUCKS BEFORE AND AFTER LOADING AND SUBMIT TO MATERIAL SUPPLY AN OFFICIAL TICKET PRINT DATE STATING: DATE AND TIME, COMPANY AND ADDRESS, TRUCK IDENTITY NUMBER, MATERIAL NAME, TRUCK WEIGHT BEFORE AND AFTER LOADING. SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL. APPEARANCE: REDDISH-BROWN POWD,CHEMICAL AND PHYSICAL SPECIFICATIONS APPEARANCE: FINE REDDISH BROWN POWDE ODOORLESS. MN3O4: 85%WT MINIMUM FE CONTENT: 4.5% MAXIMUM PARTICLE DIAMETER D90 LESS THAN MICRONS AND D50 0.5 - 2 MICRONS, SOLUBILITY IN WATER: INSOLUBLE, PH (5G IN 50 DI WATER): 7 - 10.5, SPECIFIC GRAVITY @ 68 F (20 DEG C): 4.8, MINIM BULK DENSITY: 84 LB/FT3 (950-1050 G/M3), SURFACE AREA: 1 - 5 M2/G.MICROMAX IS ONLY SLIGHTLY SOLUBLEIN ORGANICA ACIDS SUCH A CITRIC ACID, AND IT MUST NOT BE TREATED WITH HYDROCHLORIC ACID (HCL), BECAUSE THE REACTION PRODUCES CHLORINE GAS.SAUDI ARAMCO RESERVE THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSU COMPLIANCE WITH THE MATERIAL DESCRIPTION AND PECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL:PRODUCT NAME, BATC NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER
20	Drilling & Chemicals	1000876207	COPOLYMER POLYMER SWEEP STICK	COPOLYMER POLYMER SWEEP STICK ADDITIVE DRILLING FLUID; SOLID FORM,ACRYLIC COPOLYMER,FOR USED TO PROVIDE VISCOSITY, REDUCE FRICTION, ENCAPSULATE CUTTINGS AND PROVIDE A LIMITE AMOUNT OF FLUID-LOSS CONTROL IN WBM.,ACRYLIC COPOLYMER STICK,20 STICKS IN 6 GAL METAL CONTAINER SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,COPOLYMER POLYMER SWEEP STICK: SOLID ACRYLIC COPOLYMER STICK USED TO PROVIDE VISCOSITY, REDUCE FRICTION, ENCAPSULATE CUTTINGS AND PROVIDE A LIMITED AMOUNT OF FLUID-LOSS CONTROL IN WATER-BASE DRILLING FLUIDS. IT IS DROPPED IN THE DRILL STRING DURING CONNECTIONS AND PROVIDES CONSISTENT HIGH VISCOSITY SWEEPING FILL ALTERNATIVE TO HIGH-VISCOSITY MUD SWEEPS. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: A TUBE FILLED WITH OLIVER SIZE: 1-1/4 IN IN SPECIFIC GRAVITY @ 68°F (20°C): 1.85 - 1.99 SOLUBLE IN WATER SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS.PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS ATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
21	Drilling & Chemicals	1000908540	ENZYME FILTER CAKE BREAKER	HOLEZYME-ST CAKE REMOVER-WILDCAT ADDITIVE DRILLING FLUID; LIQUID FORM,ENZYME,FOR IT IS USED FOR DEGRADING WATER BASED MUD FILTER CAKE,STARCH SPECIFIC ENZYME,55 GAL (208 LITER) PLASTIC DRUM SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,LIQUID ENZYME USED FOR DEGRADING WATER BASED MUD FILTERCAKE. IT IS A STAR SPECIFIC ENZYME THAT BREAKS DOWN THE STARCH POLYMERS PRESENT IN THE MUD FILTER CAKE AND ENABLES MORE EFFECTIVE ACIDIZING TREATMENT. THE CAKE ACID-SOLUBLE DRILL SOLIDS AND BRIDGING PARTICLES CREATING THE NEAR-WELLBORE DAMAGE CAN BE REMOVED ALLOWING THE MAXIMUM POTENTIAL PRODUCTION. IT IS SUITAB FOR ENVIRONMENTS UP TO 2 F AND OVER A WIDE RANGE PH (9-10),CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: CLEAR LIGHT BROWN LIQUID SPECIFIC GRAVITY @ 68°F (20°C): 0.93-1.2 FLASH POINT (PMCC): >220°F (160°C) P.5.5-7.5. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICAT OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). "UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT" (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
22	Drilling & Chemicals	1000959459	CHEMICAL, GT GRADE, METHYLDIETHANOLAMINE	CHEMICAL; GR GT GRADE,METHYLDIETHANOLAMINE,FOR GAS TREATMENT AGENT,LIQUID FORM,ISO TANK,2,2-(METHYLIMINO) DIETHANOL N-METHYLDIETHANOLAMINE > 99 %, 2-ETHYLAMINOETHANOL N-METHYL-2-ETHANOLAMINE < 0.5%,MDEA,COLORLESS, ODOOR: AMMONIACAL, PH: 10.4, BOILING POINT (760 MMHG): 247.3 C, VAPOR PRESSURE < 0.01 KPA AT 20 C, VAPOR DENSITY (AIR = 1): 4.1, SPECIFIC GRAVITY (H2O = 1): 1.041 AT 20 C. MDEA IS CAPABLE OF UNDERGOING REACTIONS TYPICAL OF BOTH ALCOHOLS AND AMINES, FORMING QUATERNARY AMINE SALTS, SOAPS, AND ESTERS. THIS MAKES MDEA A USEFUL INTERMEDIATE IN THE SYNTHESIS OF NUMEROUS PRODUCTS, AND HAS RESULTED IN ITS USE IN MANY DIVERSE AREAS, INCLUDING COATINGS, TEXTILE LUBRICANTS, POLISHES, DETERGENTS, PESTICIDES, PERSONAL CARE PRODUCTS, AND PHARMACEUTICALS.

Sr	COMMODITY	9COM	SHORT DESCRIPTION	LONG DESCRIPTION
23	Drilling & Chemicals	1000985655	ADDITIVE DRILLING FLUID, FIBERS, FLAKES	ADDITIVE DRILLING FLUID; FIBERS, FLAKES AND GRANULAR MATERIALS. FORM, ONE-SACK FORMULA, MADE FROM COMBINATIONS OF FIBERS, FLAKES AND GRANULAR MATERIALS USED IN A WIDE VARIETY OF LOSSES SITUATIONS. IT IS NATURAL AND BIODEGRADABLE MATERIAL AND WORKS IN DRILLING FLUIDS OF ANY PH. FOR ONE-SACK FORMULA, MADE FROM COMBINATIONS OF FIBERS, FLAKES AND GRANULAR MATERIALS. FIBERS, FLAKES AND GRANULAR MATERIALS. 35 LB NET WEIGHT PER BAG, CHEMICAL AND PHYSICAL SPECIFICATIONS INSOLUBLE IN WATER. IT HAS AN ACID SOLUBILITY IN 15% HCL AT 150 °F OF MINIMUM 22% AFTER 16 HR OF SOAKING. HAS A PH OF 6.4 - 6.6 IN DI. PARTICLE SIZE: MEDIA PARTICLE RANGE: 150 - 84 MICRONS WITH PARTICLES U TO 2360 MICRONS (IT CAN BE USED IN WBM AND OBM, AND IT IS BLENDED FOR THE FOLLOWING APPLICATIONS: FRACTURE WIDTH TREATMENT TO 0.05 INCHES (1.27 MM) 10-25 LB/BBL (28.56-71.3 KG/M3) TO 0.10 INCHES (2.54 MM) 25-40 LB/BBL (71.33-114.2KG/M3). SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET MSDS. "UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT" (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)
24	Drilling & Chemicals	1001062664	ADDITIVE DRILLING FLUID, FREE FLOWING PO	ULTRA LOW FLUID INVASION ADDITIVE DRILLING FLUID; FREE FLOWING POWDER TAN FORM. BLEND OF MICRO SIZED ORGANIC PRODUCTS BIOPOLYMERS AND FIBERS FOR AN IS ENVIRONMENTALLY FRIENDLY AND BIODEGRADABLE BLEND OF MICRO SIZED ORGANIC PRODUCTS. BIOPOLYMERS IS DESIGNED TO SEAL LOW PRESSURE ZONES CREATING AN ULTRA LOW PERMEABILITY SEAL COMPATIBLE WITH WBM AND OBM ALONG WITH MOST COMPLETION FLUIDS, CELLULOSE, SILICA, CRYSTALLINE QUARTZ, BAGS PER PALLET APPEARANCE: FREE FLOWING POWDER TAN SPECIFIC GRAVITY @ 68 F=1.0-1.65 PH (5% WT N DI WATER) =6-7 D50=80-200. CONTAINER MUST BE PROPER LABELED WITH PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, THE ORIGINAL MANUFACTURER NAME AND CONTACT INFORMATION. EACH SACK SHALL CONTAIN A SPECIFIED NET MASS SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATION. MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). SHIPMENTS PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS) SHIPMENTS OF PRODUCTS MU CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL. "UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT" (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4- WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
25	Drilling & Chemicals	1001079694	CHEMICAL, CITRIC ACID, ACID, POWDER, 50	CITRIC ACID ANHYDROUS ADDITIVE DRILLING FLUID; POWDER FORM, AA 50 KG (110 LB.), NET WT., POLYETHYLENE LINED DRUM. SHIPMENT OF PRODUCT SHALL CONFIRM TO SAUDI ARAMCO EXPORT PACKING MANUAL, BASE MATERIAL: ACID, CITRIC ACID (ANHYDROUS). WHITE POWDER OR FINE GRANULES SLIGHTLY HYDROSCOPIC AND SHOULD BE STORED UNDER CONDITIONS LOW TEMPERATURE AND LOW HUMIDITY IN AIRTIGHT CONTAINERS TO PREVENT CAKING CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: WHITE ODORLESS CRYSTALS, GRANULES OR POWDER PURITY: 99.5% CITRIC ACID (CGH807) MINIMUM SOLUBILITY IN WATER : 100%WT. PH (10% DI WAT 1.7 MAXIMUM ENSI @ 68°F (20°C)-1.67 G/CM ³ SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: REQUIRES SAUDI ARAMCO HAZCOM LABEL IN MM# 100664278 PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, THE ORIGINAL MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS) UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4- WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
26	Drilling & Chemicals	1001129231	ADDITIVE DRILLING FLUID, WHITE FREE FLOW	CALCIUM BROMIDE (CABR2) DRY 95% ADDITIVE DRILLING FLUID; WHITE FREE FLOWING POWDER, CRYSTALLINE OR GRANULAR FORM. CALCIUM BROMIDE (CABR2) DRY 95%, FOR WHITE FREE FLOWING POWDER, CRYSTALLINE OR GRANULAR WITH NO LUMPS, CALCIUM BROMIDE SALT USED FOR PREPARING COMPLETION FLUIDS AS A SINGLE CABR2 SALT SOLUTION WITH MINIMUM DENSITY OF 1.70 GM/CC, AND CAN BE BLENDED WITH ZINC BROMIDE AND CALCIUM CHLORIDE SOLUT, CALCIUM BROMIDE (CABR2) DRY 95%, 25 KG (55.1 LB) BAG (NET WEIGHT), WHITE FREE FLOWING POWDER CRYSTALLINE OR GRANULAR WITH NO LUMPS, CALCIUM BROMIDE SALT USED FOR PREPARING COMPLETION FLUIDS AS A SINGLE CABR2 SALT SOLUTION WITH MINIMUM DENSITY OF 1.70 GM/CC, A CAN BE BLENDED WITH ZINC BROMIDE AND CALCIUM CHLORIDE SOLUTIONS TO FORMULATE, SOLIDS-FREE NON-DAMAGING HIGH-DENSITY BRINE BLENDS WITH DENSITIES UP TO 143 PCF (19.1 LB/GAL). APPEARANCE WHITE FREE FLOWING POWDER CRYSTALLINE OR GRANULAR, NO LUMPS SATURATED BRIND SOLUTION: CLEAR COLORLESS PURELY WITH CABR2, PERCENT 95 MINIMUM SG AT 77 DEG (25 DEG C); 3.2 - 3.4 SOLUBILITY IN WATER AT 6 DEG F (20 DEG C), WT PERCENT 58 MINIMUM IRON, PPM: 10 MAXIMUM CHLORIDE AS CaCl2, WT PERCENT 1.5 MAXIMUM SULFATE, PPM: 20 MAXIMUM HEAVY METALS, PP: 8 MAXIMUM HG: 1 MAXIMUM AS: 5 MAXIMUM CS: 5 MAXIMUM SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET MSDS. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)
27	Drilling & Chemicals	1001130337	ADDITIVE DRILLING FLUID, YELLOW TO DARK	EXTREME LUBRICANT FOR UNDERBALANCE COILED TUBING DRILLING ADDITIVE DRILLING FLUID; YELLOW TO DARK AMBER LIQUID FORM, BLEND OF FATTY AMIDES ACID AND ESTERS, OR POLYOL ESTER OF FATTY ACIDS, FOR COMBUSTIBLE AMBER LIQUID BLEND OF POLYMERIZED FATTY AMIDE, ACID AND ESTER, OR POLYOL ESTER OF FATTY ACID USED IN SOLIDS-FREE DRILL-IN FLUIDS OR MONOVALENT BRINES TO REDUCE TORQUE AND DRAG IN HIGHLY TORTUOUS OR EXTENDED REACH WELLS, INCLUDING COILED TUBING BLEND OF FATTY AMIDES ACID AND ESTERS, OR POLYOL ESTER OF FATTY ACIDS, 55 GAL (208 LITER) DRUM (NET VOLUME), APPEARANCE: YELLOW TO DA AMBER. SWEET AND MILD OD SOLUBILITY IN WATER: INSOLUBLE IN WATER SPECIFIC GRAVITY AT THE RANGE BETWEEN 68F (20C): 0.95 - 1.05 FLASH POINT (PMCC): GREATER THAN 212 (100C) IT WILL NOT GREAS OR PHASE OUT. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET MSDS. IT IS NON-DAMAGING TO PRODUCING ZONES, NON-TOXIC, ENVIRONMENTAL FRIENDLY AND HELPS PREVENT BIT BALLING AND DIFFERENTIAL STICKING. T PRODUCT IS COMPATIBLE WITH SEAWATER AND MONOVALENT BRINE-BASED DRILLING FLUIDS. OTHER ASSOCIATED ELEMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSELY AFFECT FLUID PROPERTIES. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4- WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.
28	Drilling & Chemicals	6000003659	COMPLETION ASSY: TUBING; WLHD; 2-5M	COMPLETION ASSEMBLY TUBING; WELLHEAD, OIL TYPE, PR API 2 - 5M, PSL, FOR H2S, CO2 AND AMINE, PSL 2, MR DD, PR 2 (APPENDIX F), TR U, API 6A, NACE MR0175 45-SAMSS-005, TO BE API MONOGRAMMED
29	Drilling & Chemicals	6000003721	MUDLINE SUSPENSION; RUNNING & TIEBACK	SUSPENSION SUB-SEA MUDLINE; HANGERS, RUNNING AND RETRIEVING, AND TIEBACK TOOLS TYPE, 45-SAMSS-005, API 6A AND 17D, FOR OIL AND EXPLORATION WELLS API MONOGRAMMED OR NON-MONOGRAMMED NACE MR0175 LOW ALLOY STEEL OR INCONEL MATERIAL
30	Drilling & Chemicals	6000004033	NIPPLE: LANDING	NIPPLE LANDING; ALL SIZES AND PROFILES (X, XN, R, RN AND RPT)
31	Drilling & Chemicals	6000004087	VALVE: SUB-SURFACE SAFETY	VALVE; SUB-SURFACE SAFETY TYPE, SIZE ANY, API 14A, NACE MR 01-75/ ISO 1515, API MONOGRAMMED, API MONOGRAMMED
32	Drilling & Chemicals	6000004305	ELECTRICAL SUBMERSIBLE PUMP SYSTEM	PUMP SUBMERSIBLE; ELECTRIC SUBMERSIBLE PUMP, PUMP/MOTOR ASSEMBLY, ESP SYSTEM INCLUDES BOTH SURFACE AND DOWNHOLE EQUIPMENT. SURFACE SKIDS INCLUDE, BUT NOT LIMITED TO VARIABLE SPEED DRIVE, TRANSFORMERS, DISTRIBUTION PANEL, LOOP SWITCHES, JUNCTION BOX, SURFACE CABLE WELLHEAD PENETRATOR. DOWNHOLE EQUIPMENT INCLUDES, BUT NOT LIMITED TO, CABLE, PACKER, PACKER PENETRATOR, MOTOR LEAD EXTENSION, AUTO FLOW VALVE, Y-TOOL, WIRELINE PLUGS, CABLE PROTECTOR, PUMP, SEAL, MOTOR, SENSOR, PUMP JOINT, ADJUSTABLE SUB, POD, SHROUD, USE REPLACEMENT 9COM 6000002370.
33	Drilling & Chemicals	6000016111	DRAG REDUCING AGENT (DRA)	CHEMICAL; ANY SAEP-501, DRA IT IS A CHEMICAL THAT IS COMPOSED OF LONG CHAINS OF VERY HIGH MOLECULAR WEIGHT POLYMERS SUSPENDED IN A CARRIER FLUID USED IN FLUID-TRANSPORTING-PIPELINE TO REDUCE PIPELINE FRICTIONAL LOSSES/PRESSURE DROP FOR THE PURPOSE OF INCREASING PIPELINE FLOW RATE AND/OR DECREASING PIPELINE OPERATING PRESSURE
34	Drilling & Chemicals	6000016171	ADSORBENT: REMOVAL OF Hg, BTEX, HC	CHEMICAL; ANY SAEP-501, DRA IT IS A CHEMICAL THAT IS COMPOSED OF LONG CHAINS OF VERY HIGH MOLECULAR WEIGHT POLYMERS SUSPENDED IN A CARRIER FLUID USED IN FLUID-TRANSPORTING-PIPELINE TO REDUCE PIPELINE FRICTIONAL LOSSES/PRESSURE DROP FOR THE PURPOSE OF INCREASING PIPELINE FLOW RATE AND/OR DECREASING PIPELINE OPERATING PRESSURE
35	Electrical	6000000806	CABLE, SUBMARINE POWER SKV THROUGH 35KV	CABLE ELECTRICAL HIGH VOLTAGE; 5 KV THROUGH 35 KV SUPPLY, ANY CONDUCTO, SUBMARINE POWER CABLE TYPE, COPPER CONDUCTO, XLPE OR EPR INSUL, POWER TYPE, 15-SAMSS-503, AEC CS6 OR CS8
36	Electrical	6000000903	SWITCH; DISCONNECT; HIGH VOLTAGE;	SWITCH DISCONNECT; HIGH VOLTAGE, ANY ACTION, ELECTRICAL TYPE, 30-TMSS-01
37	Electrical	6000000937	ADJUSTABLE FREQUENCY DRIVE LESS THAN 1KV	DRIVE VARIABLE SPEED; ANY RPM OUTPUT, IEC 60146 / 61136 OR NEMA ICS7, AFD SYSTEM
38	Electrical	6000000947	BATTERY CHARGER/ RECTIFIER MORE 100 ADC	CHARGE FLOAT BATTERY; FLOAT VOLTAGE ANY OUTPUT GREATER OR EQUAL TO 100 AMP DC OUTPUT, ANY BATTERY, 17-SAMSS-514
39	Electrical	6000000951	BATTERY; LEAD ACID; STATIONARY; FLOODED	BATTERY LEAD ACID STATIONARY; FLOODED ELECTROLYTE TYPE 2-6 VDC 17-SAMSS-511
40	Electrical	6000000996	MOTOR; INDUCTION; 500 HP AND ABOVE, HOR	MOTOR INDUCTION; 500 HP AND ABOVE POWER, 4000 V AND ABOVE, 3 PHASE PHASE, TEFC/TEAAC/CACA ENCLOSURE, HORIZONTAL, MTG. 17-SAMSS-502, FORM-WOUND
41	Electrical	600001012	UPS SYS ABOVE 10 TO 200KVA FOR PLANTS	POWER SUPPLY UNINTERRUPTIBLE; ABOVE 10 KVA UP TO 200 KVA POWER, 17-SAMSS-516, SAES-P-103, INDUSTRIAL PLANTS PRODUCT RANGE
42	Electrical	600015510	ANODE; GALVANIC; HIGH TEMPERATURE ZINC CP	ANODE GALVANIC; HIGH TEMPERATURE ZINC, 17-SAMSS-006, CATHODIC PROTECTION
43	Electrical	6000017041	SWITCHGEAR; SF6; INDOOR 13.8 & 34.5 KV	SWITCHGEAR; SF6 GAS INSULATED TYPE, 13.8 AND 34.5 KV, ANY BIL, SDMS-09, S-P-116, SF6 GAS INSULATED METAL CLAD 13.8 AND 34.5 KV SWITCHGEARS, MAXIMUM RATING IS 2500A
44	Gen Sup & Bldg. Mat.	6000000390	CHAIN; LOAD RATED; GRADE 80 OR 100	CHAIN LOAD RATED; ANY TRADE SIZE, ANY LOAD, M A391, M A973, CHAIN 80 OR 100 FOR SLINGS LIFTING ASSEMBLIES EXCLUDING POWER ANCHOR CHAIN DE RATED HORE NMISSION AND
45	Gen Sup & Bldg. Mat.	6000000583	FLUOROPOLYMER COATED STUDS & NUTS	STUD; CONTINUOUS THREAD TYPE, ANY FLUOROPOLYMER COATED, ANY LG, 09-SAMSS-107, SUPPLIED WITH OR WITHOUT COATED NUTS. FASTENERS, NUTS OR ANCHOR BOLTS SHALL BE SOURCED FROM SA APPROVED SOURCES FROM SA APPROVED SOURCES. LINKED TO 9COMS 600000577, 600000580 OR 600000573
46	Heat Transfer Equip	6000002340	BLOWER; CENTRIFUGAL	BLOWER; CENTRIFUGAL TYPE, ANY, 31-SAMSS-001 CHAPTER 2 OR 3
47	Heat Transfer Equip	6000002433	HEAT EXCHANGER; AIR COOLED; 32-SAMSS-11;	HEAT EXCHANGER AIR COOLED; ANY TYPE, ANY INLT/OTL, 32-SAMSS-011, NOTICE TO REQUISITIONER: THIS 9COM REQUIRES REQUISITION TEMPLATE FOR CREATING MATERIAL PO TEXT ACCESS TEMPLATE VIA HTTPS://SHAREK.ARAMCO.COM/S/A/ORG/S/30003143/30012601/3_014160/DOCUMENT/PRT/RT_TREE_.htm REPLACE THIS MESSAGE WITH YOUR MATERIAL PO TEXT
48	Heat Transfer Equip	6000002487	BUNDLE; TUBE; 32-SAMSS-007;	BUNDLE TUBE; ANY TYPE, 32-SAMSS-007
49	Heat Transfer Equip	6000002508	FLARE; PROCESSED PLANT; INCLUDING TEMPER	FLARE; PROCESSED PLANT TYPE, 32-SAMSS-022, ENGINEERING AND SUPPLY FLARE SYSTEMS. INCLUDING TEMPERATURE CONTROLS, IGNITERS WITH ACCESSORIES, STACK INCLUDES BLOWERS, FLARE TIP WITH ACCESSORIES, SEAL GAS WITH ACCESSORIES, AND BURNPIT WITH ACCESSORIES. RE DR
50	Heat Transfer Equip	6000002529	HEAT EXCHANGER; SHELL & TUBE; ALL MATL O	HEAT EXCHANGER SHELL & TUBE; ANY TUBE DIA, ANY INLT/OTL, ANY INLT/OTL, ALL MATL OTHER THAN CARBON STEEL & LOW ALLOY STEEL OR SHELL, WALL THK GREATER THAN 38 MM (1.5 IN) TUBE THK, 32-SAMSS-007
51	Heat Transfer Equip	6000011229	BURNER; HIGH INTENSITY, FOR SULFUR	BURNER; HIGH INTERSTY TYPE, HIGH INTENSITY, FOR SULFUR RECOVER UNIT REACTION FURNACE
52	Heat Transfer Equip	6000013471	BURNER; HIGH INTENSITY, FABRICATORS	BURNER; HIGH INTENSITY BURNER FABRICAT TYPE, FOR SULFUR RECOVER UNIT REACTION FURNACE
53	Instrumentation	6000000208	FITTING; TUBING; 316 SS OR BETTER	FITTING; COMPRESSION TYPE, 316 STAINLESS STEEL, 316 STAINLESS STEEL OR BETTER
54	Instrumentation	6000000221	TUBING; INSTRUMENTATION; METALLIC	TUBING; INSTRUMENTATION TYPE, STAINLESS STEEL OR NICKEL ALLOYS, ASTM A269, WITH SIZE 3/4 INCH (18 MM) OR SMALLER.
55	Instrumentation	6000002549	Non-Reclosing Pressure Relief Devices	Non-Reclosing Pressure Relief Devices
56	Instrumentation	6000002589	CALIBRATION GAS CYLINDER FOR GAS MONITOR	CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY
57	Instrumentation	6000002738	FLOWMETER; ULTRASONIC;	FLOWMETER; ULTRASONIC TYPE, 34-SAMSS-010, SPOOL OR IN-LINE TYPE
58	Instrumentation	6000002782	MONITOR; GAS; COMBUSTIBLE;	MONITOR GAS; COMBUSTIBLE ANY RANGE, 34-SAMSS-514
59	Instrumentation	6000002792	Orifice; Assembly; Plate; Flange; Sealing	ORIFICE; ANY TYPE, SIZE ANY ASSEMBLY; PLATE, FLANGE, SEALING RING
60	Instrumentation	6000002901	ACTUATOR; VALVE; ELECTRIC; ACTUATOR; FOR	ACTUATOR VALVE ELECTRIC; SIZE ANY, ANY ACTION, 34-SAMSS-716, ACTUATOR; FOR OPERATING VALVE ELECTRIC MOTOR
61	Instrumentation	6000002914	ANALYZER; GAS CHROMATOGRAPH; Sheltered	ANALYZER; GAS CHROMATOGRAPH TYPE, ANY RANGE, 34-SAMSS-510, PROCESS GAS OR LIQUID
62	Instrumentation	6000002917	FLOWMETER; MULTIPHASE;	FLOWMETER; MPFM FOR OIL FIELD APPLICATION TYPE, 34-SAMSS-001, FOR OIL FLOW RATE MEASUREMENT
63	Instrumentation	6000007390	GUIDED WAVE RADAR LEVEL TRANSMITTERS	TRANSMITTER LIQUID LEVEL; GUIDED WAVE RADAR (GWR) TYPE, GUIDED WAVE RADAR (GWR) LEVEL TRANSMITTERS
64	Instrumentation	6000009906	CUSTOMY PRESET CONTL, TRUCK LOAD&UNLOAD	COMPUTER FLOW; CUSTOMY PRESET CONTROLLER TYPE, 34-SAMSS-847, FOR TRUCK LOADING AND UNLOADING SYSTEMS
65	Instrumentation	6000009098	Custody Tank Gauge, Radar	GAUGE TANK LEVEL; ANY TYPE, ANY RANGE, 34-SAMSS-321, CUSTODY TANK RADAR GAUGE, CUSTODY TRANSFER TANK LEVEL GAUGING
66	Instrumentation	6000010781	FOUNDATION FIELDBUS (FF) BLOCKS	BLOCK; FOUNDATION FIELDBUS(FF) WIRING TYPE, INCLUDING POWER SUPPLIES, FOR USE WITH FOUNDATION FIELDBUS INSTRUMENTS ONLY
67	Instrumentation	6000014893	FIBER OPTIC SENSING PLDS	DETECTOR LEAK; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.

