

2024 Sourcing List (China)

Aramco Material Number	Short Description	中文简短描述 (供参考)	Long Description	Commodity	Aramco Material Service Group Name	Aramco Material Service Group No.
600000940	ANODE; GALVANIC; ALUMINUM, WITH LEAD; CP	铝合金牺牲阳极	ANODE GALVANIC; ALUMINUM, WITH LEAD, 17-SAMSS-006, CATHODIC PROTECTION	Cathodic Protection	Cathodic Protection - Below Grade or Immersed Eq	054200
600001011	POWER SUPPLY;ELECTRICAL;SOLAR,CP	太阳能阴保供电设备	POWER SUPPLY ELECTRICAL; CATHODIC PROTECTION POWER PLY ELECTRICAL SOLAR POWER TYPE, ANY POWER, ANY, 17-SAMSS-012	Cathodic Protection	Cathodic Protection - Above Grade Equipment	054000
600001014	CP,POWER SUPPLY;RECTIFIER;IMPRESSED CURR	阴保供电整流器	RECTIFIER IMPRESSED CURRENT; CATHODIC PROTECTION SE CONTROL TYPE, ANY OUTPUT, 17-SAMSS-005	Cathodic Protection	Cathodic Protection - Above Grade Equipment	054000
600001040	ANODE GALVANIC;MAGNESIUM,WITHOUT LEAD,CP	镁合金牺牲阳极	ANODE GALVANIC; MAGNESIUM, 17-SAMSS-006, CATHODIC PROTECTION WITHOUT LEADS	Cathodic Protection	Cathodic Protection - Below Grade or Immersed Eq	054200
600015510	ANODE;GALVANIC,HIGH TEMPERATURE ZINC,CP	高温锌牺牲阳极	ANODE GALVANIC; HIGH TEMPERATURE ZINC, 17-SAMSS-006, CATHODIC PROTECTION	Cathodic Protection	Cathodic Protection - Below Grade or Immersed Eq	054200
600009831	CUSTODY METER, TURBINE, LIQUID	贸易交接用涡轮流量计	FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117	Custody Measurement	CTM Systems	64000
600009900	CUSTODY FLOW COMPUTER, GAS, PANEL-MNTD	气相贸易交接流量计算机	COMPUTER FLOW; PANEL MOUNTED TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER	Custody Measurement	CTM Systems	64000
600016111	DRAG REDUCING AGENT (DRA)	减阻剂	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	Drilling & Chemicals	Flow chemicals	148400
600015782	GAS LIFT EQUIPMENT	气举设备	MANDREL; ANY TYPE,GAS LIFT EQUIPMENT	Drilling & Chemicals	Downhole equipment	5000
600015751	CASING HANGER: FLUTED TYPE; 10-15M	套管悬挂器	HANGER CASING WELLHEAD; LOW ALLOY STEEL,FOR H2S, CO2 AND AMINE INHIBITOR,PR 10-15M,ANY BOWL,MANDREL AND FLUTED DESIGN,ANY CASING OD,45-SAMSS-005,MONOGRAMMED TO API 6A (LATEST EDITION),PSL 3 OR 4,MR DD-NL,PR 2 (QUALIFIED TO APPENDIX F TO (300F),TR U (275F),API 6A MONOGRAMMED	Drilling & Chemicals	Wellhead equipment	6000
600004087	VALVE: SUB-SURFACE SAFETY	井下安全阀	VALVE; SUB-SURFACE SAFETY TYPE,SIZE ANY,API-14A,NACE MR-01-75/ISO 1515,API MONOGRAMMED,API MONOGRAMMED	Drilling & Chemicals	Downhole equipment	5000
600004071	PLUG SET FOR DV TOOLS	桥塞	PLUG CEMENTING; ANY TYPE,PLUG SET FOR DV TOOLS	Drilling & Chemicals	Casing accessories & cementing equipment	5200
600004065	PACKER: PRODUCTION; KHf	封隔器	PACKER PRODUCTION; PERMANENT TYPE,FOR H2S,WIRELINE SET AND HYDRAULIC SET ACTIVATI,ANY OD,ANY CONNECTN,KHUFF	Drilling & Chemicals	Downhole equipment	5000
600004055	COLLAR: PACKER; MECH; CEMENT	套环封隔器	COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE,FOR CEMENTING TOOLS (DV),MULTI STAGE	Drilling & Chemicals	Casing accessories & cementing equipment	5200
600004043	DV TOOLS	固井工具	CEMENTER; ANY TOOL OD,ANY DRILL OD,MULTI STAGE INFLATABLE AND MECHANICAL PACKER FOR CEMENTING (DV)	Drilling & Chemicals	Casing accessories & cementing equipment	5200
600004039	HANGER; LINER; FOR OIL WELLS	尾管挂	HANGER LINER; ANY END 1,ANY END 2,LINER HANGER AND ACCESSORIES FOR OIL WELLS	Drilling & Chemicals	Downhole equipment	5000
600003993	Viscosifier	增粘剂	CHEMICAL; ANY,ORGANIC AND INORGANIC MATERIALS USED TO INCREASE THE VISCOSITY OF WATER BASED MUD AND BRINES	Drilling & Chemicals	Drilling chemicals	2000
600003789	VALVE: BPV AND TWCV; WLHD	井口背压阀	VALVE BACKPRESSURE WELLHEAD; FOR HS2, CO2, AMINE,UNS-N07718 BODY,HH TRIM,ALL SIZES HANGER,ANY NPS,API 6A,45-SAMSS-005 AND NACE MR0175,FOR BOTH PBV AND TWCV PRESSURE RATING 3M-15M PR-2 (QUALIFIED TO APPENDIX F TO 300F) TR-U (275F) MONOGRAMMED TO API 6A LATEST EDITION	Drilling & Chemicals	Wellhead accessories & spare parts	6100
600003763	MULTIBOWL ASSY:CASING AND TUBING; 10-15M	套管头卡瓦座圈	SPOOL CASING; LOW ALLOY STEEL,FOR H2S, CO2, AMINE,ANY TOP,API RING JOINT (FLANGED OR STUDDED) TOP CONN,ANY BTM,API RING JOINT (FLANGED OR STUDDED) BTM,API RING JOINT STUDDED OUTLET,45-SAMSS-005,API 6A AND NACE MR0175,PSL 3 OR 4,MR DD (WITH OR WITHOUT PARTIAL CLAD),PR 2 (QUALIFIED TO APPENDIX F TO 300F),TR U (275F),API MONOGRAMMED TO HANG ONE OR TWO CASING STRINGS IN ADDITION TO THE TUBING STRING WITH METAL TO METAL HANGERS SEALS WITH OR WITHOUT SIDE OUTLET GATE VALVES	Drilling & Chemicals	Wellhead equipment	6000
600003721	MUDLINE SUSPENSION:RUNNING & TIEBACK	泥线悬挂器	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	Drilling & Chemicals	Wellhead equipment	6000

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1001133608	ADDITIVE DRILLING FLUID, HOMOGENEOUS MIL	硅基消泡剂	<p>SILICONE BASED DEFOAMER ADDITIVE DRILLING FLUID; HOMOGENEOUS MILKY WHITE LIQUID FORM,SILICONE BASED,FOR LIQUID SILICONE-BASED DEFOAMER FOR MITIGATION AND PREVENTION OF FOAMING. COMPATIBLE WITH MOST WATER BASE AND CLEAR BRINE FLUIDS. IT HELPS TO CONTROL OR PREVENT FOAMING. IT HAS NO SIGNIFICANT EFFECT ON FLUID RHEOLOGY OR MUD DENSITY.,SILICONE BASED,5 GAL PAIL (NET VOLUME),PHYSICAL AND CHEMICALS SPECS: APPEARANCE: HOMOGENEOUS MILKY WHITE LIQUID, SPECIFIC GRAVITY 0.95-1.1, SILICONE CONTE (PERCENT): 20 MINIMUM, ODOR: MILD, SOLUBILITY I WATER: DISPERSIBLE, FLAS POINT: GREATER THAN 100 DEG.C (212 DEG.F), VISCOSITY AT 25 DEG.C (CPS): 1000-3500, PH: 7-10. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT 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). 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 NAM AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE MSDS. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)</p>	Drilling & Chemicals	Drilling chemicals	2000
1001130337	ADDITIVE DRILLING FLUID, YELLOW TO DARK	超级润滑剂	<p>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 ARAM RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT 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 NAM AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE MSDS. IT IS NON-DAMAGING TO PRODUCING ZONES, NON-TOXIC, ENVIRONMENTAL FRIENDLY AND HELPS PREVE BIT BALLING AND DIFFERENTIAL STICKING. T PRODUCT IS COMPATIBLE WI 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</p>	Drilling & Chemicals	Drilling chemicals	2000

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<p>1001078250</p>	<p>ADDITIVE DRILLING FLUID, SINGLE SALT (CA</p>	<p>溴化钙溶液</p>	<p>" CALCIUM BROMIDE (CABR2) SOLUTION ADDITIVE DRILLING FLUID; SINGLE SALT (CABR2), SOLIDS-FREE BRINE FORM,CALCIUM BROMIDE (CABR2),FOR A PURE SOLIDS-FREE BRINE USED IN COMPLETION FLUIDS AND CAN BE BLENDED WITH ZINC/CALCIUM BROMIDE AND CALCIUM CHLORIDE SOLUTIONS TO FORMULATE NON-DAMAGING FLUIDS OF DENSITIES UP 143 PCF (19.1 LB/GAL),CALCIUM BROMIDE,275 GALON (IBC) NET VOLUME,REFER TO API 13J FIFTH EDIT OCTOBER 2014,CALCIUM BROMIDE SOLUTION (CABR2): PURE, SOLIDS-FR BRINE USED FOR PREPARING COMPLETION FLUIDS AS A SINGLE CABR2 SALT SOLUTI WITH MINIMUM DENSITY OF 1.70 GM/CC, AND CAN BE BLENDED WITH ZINC BROMID AND CALCIUM CHLORIDE SOLUTIONS TO FORMULATE, SOLIDS-FREE NON-DAMAGING HIGH DENSITY BRINE BLEND WITH DENSITIES UP TO 143 PCF (19.1 LB/GAL). CHEMICAL AND PHYSICAL SPECIFICATIONS: CALCIUM BROMIDE (CABR2) SOLUTION 52% WT. MINIMUM COLORLES CLEAR LIQUID WITH NO ODO CHLORIDE CONTENT: 1000 P (0.1% WT.) MAXIMUM TURBIDITY: 6 NTU MAXIMUM SULPHATE CONTENT: 100 PP (0.01% WT.) MAXIMUM IRON CONTENT: 5 PPM MAXIMUM TOTAL HEAVY METALS (ZN, PB, HG, AS AND CD): 5 PP MAXIMUM DENSITY: 1.70 GM/CC (14.2 LB/GAL / 106 PCF) AT 70°F (20.1°C) MINIMUM PH OF 10% SOLUTI IN DI WATER: [BASIC.] 7- 8.5 TRUE CRYSTALLIZATION TEMPERATURE (TCT): 10°F (-12.2°C) SOLIDS RETAINE ON 5 MICRONS FILTER PAPE NONE SAUDI ARAMCO RESERV THE RIGHT TO COLLECT THE 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 FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL:PRODUCT NAME,BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE OF SUBSTANCE WITH COA, COO AND SUPPLIER INFORMATION.</p>	<p>Drilling & Chemicals</p>	<p>Drilling chemicals</p>	<p>2000</p>
<p>1001071292</p>	<p>ADDITIVE DRILLING FLUID, LIQUID NON-EMUL</p>	<p>抗乳化活性剂</p>	<p>" NON-EMULSIFIER SURFACTANT. ADDITIVE DRILLING FLUID; LIQUID NON-EMULSIFIER SURFACTANT FORM,NON-EMULSIFIER SURFACTANT,FOR LIQUID FORM, SURFACTANT DESIGNED AS NONEMULSIFIER ADDITIVE FOR ACIDIZING LIMESTONE, DOLOMITE AND SANSDTONE, OR FOR FRACTURE CLEANING TREATMENT LIQUID NON-IONINC WATER DISPERSING NON-EMULSIFIER SURFACTANT DESIGNED FOR APPLICATIONS IN CEMENTING, ACIDICING, WELL STIMATION, AND FRACTURING. THE PRODUCT CAN ALSO BE USED AS TREATEMENT OF THE WELLBORE BEFORE DISPLACEMENT FROM OIL BASED MUDS TO WATER BASE,NON-EMULSIFIER SURFACTANT,5 GAL PAIL, NET PRODUCT VOLUME OF 5 GAL,APPEARANCE: YELLOW LIQUI SPECIFIC GRAVITY AT 68 DEG.F (20 DEG. C): 0.85-0.95. FLASH POINT: >86 DEG. F (30 DEG. C). NON-DEGRADABLE IN 15% HC 5 GAL PAIL(18.9 LITERS), NET PRODUCT VOLUME OF 5 GAL. SAUDI ARAMCO RESERV THE 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 FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. U REFERRED IN THIS MATERIA IS NET VOLUME/WEIGHT.LABEL: PRODUCT NAME, BATCH 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 TH MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH COA, COO AND SUPPLIER INFORMATION.)</p>	<p>Drilling & Chemicals</p>	<p>Drilling chemicals</p>	<p>2000</p>

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1000843350	OIL SOLUBLE H2S SCAVENGER	油溶性硫化氢清除剂	<p>" OIL SOLUBLE ZINC-BASED H2S LIQUID SCAVENGER ADDITIVE DRILLING FLUID; LIQUID H2S SCAVENGER FORM,BLEND OF ZINC ORGANOMETALLICS, FOR LIQUID FORM FOR A HYDROCARB TO NEUTRALIZE HYDROGEN SULF LIMITED TO ZERO FLARING/FLO TRANSPORTATION/SHIPMENTS AN,ZINC COMPOUND,55 GAL DRUM (208 L), NET VOLUM,APPEARANCE/ODOR: VISCOUS YELLOW TO YELLOW-GREEN LIQUID/MILD ODOR. SPECIF GRAVITY AT 77F (25 DEG): 0.8-1.10 FLASH POINT (PMCC) : >149 (65 DEG) SOLUBILITY: INSOLUBLE IN WATER ACTIVE INGREDIENT: ZINC BASED CHELATE CONCENTRATION OF THE ACTIVE INGREDIENT DETERMINED BY GRAVIMETRI METHOD: MINIMUM 70 PERCENTAGE W/W. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIV PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT 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). PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. U REFERRED IN THIS MATERIA IS NET VOLUME/WEIGHT. 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. (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 LABORATORY TESTING AGENCY FOR</p>	Drilling & Chemicals	Drilling chemicals	2000
1000823699	THINNER/DISPERSANT-OBM CONDITIONER	降黏剂	<p>" THINNER/DISPERSANT-OBM CONDITIONER ADDITIVE DRILLING FLUID; LIQUID FORM,SULFONATE BLEND WITH FATTY ACID, FOR USED TO LOWER REHEOLOGICAL PROPERTIES OF OIL BASE FLUIDS.,POLYOLEFIN/ORGANIC SULFONATE BLEND WITH FATTY ACID,55 GALLON (208 LITER) DRUM. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,THINNER/DISPERSANT-OIL-B MUD CONDITIONER: LIQUID POLYOLEFIN/ORGANIC SULFONATE BLEND WITH FAT ACID DERIVATIVES USED TO LOWER RHEOLOGICAL PROPERTIES FOR OIL BASE FLUIDS. OTHER ASSOCIATED ELEMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSELY AFFECT FLUID PROPERTIES. CHEMIC AND PHYSICAL SPECIFICATIONS: APPEARANCE: DARK AMBER LIQUID SOLUBILITY: INSOLUBLE IN WATER SPECIFIC GRAVITY: 0.90 - 0.96 FLASH POINT (PMCC): 212°F (100°C) SAUDI ARAM RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT 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 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 LABORATORY TESTING AGENCY FOR</p>	Drilling & Chemicals	Drilling chemicals	2000

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1000757581	H2S SCAVENGER-ZINC-FREE IRON GLUCONATE	硫化氢清除剂 (葡萄糖酸亚铁)	<p>" 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 SULFID 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./BBL. OF PRODUCT REMOVES APPROXIMATELY 150-220 MG/LITER SULFIDES BULK DENSITY: 650-850 KG/M3 @ 68°F (20°C). SAUDI ARAMC RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT 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, WEBSITE ACCORDING TO SAUDI ARAMCO EXPORT PACKING MANUAL.</p>	Drilling & Chemicals	Drilling chemicals	2000
1000022536	CALCIUM CHLORIDE (94-98%) 50 KG BAG	氯化钙 (94%-98%)	<p>" CALCIUM CHLORIDE (94-98%) 50 KG/BAG ADDITIVE DRILLING FLUID; DRY FLAKES, PELLETS, OR GRANULAR FORM,WATER-SOLUBLE USED AS WEIGHTING AGENT FOR FORMULATING SOLIDS-FREE COMPLETION BRINES AND TO PROVIDE THE DESIRED WATER PHASE SALINITY AND ACTIVITY IN INVERT EMULSION MUDS IN ADDITION, IT IS USED AS AN ACCELERATOR IN OIL WELL CEMENT SLURRIES.,CALCIUM CHLORIDE 94-98%,50 KG (110 LBS) MULTI- WALLED PAPER BAG, VALVE/SPOUT TYPE, COMPLETELY SEALED, MOISTURE AND WATER PROOF. THE CONSTRUCTION OF THE MULTI- WALLED PAPER BAG SHALL BE AS FOLLOWS: 1ST PLY 50 LB MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 50 LB MIN. NATURAL KRAFT PAPER 3RD PLY SEPARATE INNER BAG LINER HIGH DENSITY ORIENTED AND CROSS-LAMINATED INNER ETHYLENE RESIN 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),SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,ASTM D98-68/PRACTICE E29/ASTM D345 - 02 (2010) STANDARD TEST METHOD FOR CACL2 SAMPLING AND TESTING,CHEMICAL AND PHYSICAL SPECIFICATIONS APPEARANCE DRY FREE FLOWING WHITE FLAKES OR PELLETS PURITY CACL2 94 %WT. MINIMUM PASS THROUGH 4 US MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN AN DIMENSION ALKALI CHLORIDE AS NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. MAXIMUM. HEAVY METALS AS PB: 0.005%WT. MAXIMUM. SULFATE AS CASO4: 0.05%W MAXIMUM FE: 15 PPM MAXIMUM WATER INSOLUBLES: 0.20%W MAXIMUM. REMAINING COMPONENT IS WATER OF CRYSTALLIZATION PH: 10% SOLUTION: 7.5 - 10.5 SATURATED SOLUTION: CLEAR COLORLESS. 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, WEBSITE ACCORDING TO SAUDI ARAMCO EXPORT PACKING MANUAL.</p>	Drilling & Chemicals	Drilling chemicals	2000

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1000022136	CORROSION INHIBITOR-MICROBIOSTAT	缓蚀剂	<p>" CORROSION INHIBITOR-MICROBIOSTAT ADDITIVE DRILLING FLUID; LIQUID FORM,CORROSION INHIBITOR AND BIOCIDE,FOR USED AS A PACKER FLUID CORROSION INHIBITOR,LIQUID AMINE WITH METHANOL MICROBIOSTAT,55 GAL (208 LITER) DRUM SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,CORROSION INHIBITOR-MICROBIOSTAT: COMBINED LIQUID BIOCIDE AND CORROSION INHIBITOR, CATIONIC, WATER SOLUBLE, HETEROCYCLIC AMINE BLEND WITH METHANOL MICROBIOST TO CONTROL AEROBIC AND ANAEROBIC BACTERIA GROWT IT IS USED AS A PACKER FLUID CORROSION INHIBITO TO CONTROL GENERAL CORROSION ATTACK ON CASING, TUBING AND DOWNHOLE TOOLS IN CONTAC WITH CLEAR AND VISCOSIFI COMPLETION BRINES. CHEMICAL AND PHYSICAL SPECIFICATIONS: LIGHT (O PALE) COLORED LIQUID WAT SOLUBLE SPECIFIC GRAVITY 68°F (20°C): 0.98 -1.07. 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, WEIGHING AND RECYCLABLE AND SHALL BE CERTIFIED BY A SAUDI</p>	Drilling & Chemicals	Drilling chemicals	2000
1000022135	HIGH TEMPERATURE CORROSION INHIBITOR	抗高温缓蚀剂	<p>HIGH TEMPERATURE CORROSION INHIBITOR ADDITIVE DRILLING FLUID; LIQUID FORM,CORROSION INHIBITOR FOR HIGH TEMPERATURE,FOR ALLEVIATE FRESH, BRACKISH OR BRINE PACKER FLUIDS CORROSION,LIQUID AMINES AND AMIDE,55 GAL (208 LITER)DRUM SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,HIGH TEMPERATURE CORROSI INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AN DISPERSIBLE IN WATER USE TO ALLEVIATE CORROSION I FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F.IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AN STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMB LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIF GRAVITY @ 59°F (15°C): 0 - 0.9 FLASH POINT (PMCC) >136.4°F (58°C). SAUDI ARAMCO RESERVES THE RIGH TO COLLECT REPRESENTATIV PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT 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,</p>	Drilling & Chemicals	Drilling chemicals	2000

2024 Sourcing List (China)

1000021930	XANTHAN GUM BIO-POLYMER	黄原胶	<p>XANTHAN GUM BIO-POLYMER ADDITIVE DRILLING FLUID; DRY FREE FLOWING POWDER FORM,PURE XANTHAN GUM BIO-POLYMER,FOR IT IS USED AS A RHEOLOGY CONTROL AND SUSPENSION AGENT IN FRESH WATER, SEA WATER, AND SATURATED BRINE-BASED DRILLING, COMPLETION AND WORKOVER FLUIDS.,PURE XANTHAN GUM BIO-POLYMER,25 KG (55.1 LBS.) MULTI-WALL PAPER BAG, VALVE/SPOUT TYPE COMPLETELY SEALED, MOISTURE AND WATER PROOF. THE CONSTRUCTION OF THE MULTI-WALLED PAPER BAG SHALL BE AS FOLLOWS: 1ST PLY 50 LB. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 50 LB. NATURAL KRAFT PAPER 3RD PLY SEPARATE INNER BAG LINER, HIGH DENSITY ORIENTED AND CROSS-LAMINATED INNER POLY-ETHYLENE RESIN LINER (TUBULAR SHAPE) WITH A MINIMUM WALL THICKNESS OF 0.1 MM. 4TH PLY 50 LB. NATURAL KRAFT PAPER. 5TH PLY 60 LB. NATURAL KRAFT PAPER. WET STRENGTH (EXTERIOR PLY) SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,API SPECIFICATION 13A 18TH EDITION, AUGUST 2010, ERRATA 1, AUGUST 2014,XANTHAN GUM BIO-POLYMER: DRILLING GRADE PURE, DRY FREE FLOWING FINE POWDER OF ANIONIC POLYSACCHARIDE READILY SOLUBLE IN WATER OR BRINE. THE BIO-POLYMER IS PRODUCED BY A DISTINCT FERMENTATION PROCESS OF XANTHOMONAS CAMPESTRIS. THE PRODUCT SHALL NOT CONTAIN ANY OTHER POLYSACCHARIDE, SUCH AS STARCH, GUAR GUM OR OTHER NATURALLY OCCURRING POLYMERS OR THEIR DERIVATIVES. IT IS USED AS A RHEOLOGY CONTROL AND SUSPENSION AGENT IN FRESH WATER, SEA WATER, AND SATURATED BRINE-BASED DRILLING, COMPLETION AND WORKOVER FLUIDS. XANTHAN GUM QUALITY IS MONITORED BY EXPEC ARC LABORATORIES EXPEC CERTIFICATE OF ACCEPTANCE (EXPEC/COA) REFERRING TO THE RESPECTIVE BATCH NUMBER MUST BE ATTACHED TO</p>	Drilling & Chemicals	Drilling chemicals	2000
1000021558	CALCIUM HYDROXIDE (HYDRATED LIME)	氢氧化钙 (熟石灰)	<p>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 .,CALCIUM HYDROXIDE CA(OH) HYDRATED LIME - TECHNICA GRADE USED TO INCREASE T PH AND TO PROVIDE CALCIU IONS IN DRILLING AND COMPLETION FLUIDS TO MAINTAIN A BASIC PH. IT AN ESSENTIAL ADDITIVE US 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 - SATURAT SOLUTION IN DI WATER AT 68°F (20°C) SPECIFIC GRAVITY AT 68°F (20°C): 2.2 - 2.4 INSOLUBLE IMPURITIES IN 15% HYDROCHLORIC ACID): 0.2% WT. MAXIMUM MAGNESIUM AN ALKALI SALTS:2.5% WT. MAXIMUM IRON CONTENT: 0. WT. MAXIMUM PASS THROUGH 75 MM SIEVE (DRY SCREEN):100%. SAUDI ARAM RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT 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,</p>	Drilling & Chemicals	Drilling chemicals	2000

2024 Sourcing List (China)

1000021557	CALCIUM BROMIDE (CaBr2) SOLUTION	溴化钙	CALCIUM BROMIDE (CaBr2) SOLUTION ADDITIVE DRILLING FLUID; SINGLE SALT (CABR2), SOLIDS-FREE BRINE FORM,CALCIUM BROMIDE (CABR2),FOR A PURE SOLIDS-FREE BRINE USED IN COMPLETION FLUIDS AND CAN BE BLENDED WITH ZINC/CALCIUM BROMIDE AND CALCIUM CHLORIDE SOLUTIONS TO FORMULATE NON-DAMAGING FLUIDS OF DENSITIES UP 143 PCF (19.1 LB/GAL),CALCIUM BROMIDE,55 GAL (208 LITER) 340 KG POLYPROPYLENE-LINED STEEL DRUMS SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,REFER TO API 13J FIFTH EDITION, OCTOBER 2014,CALCIUM BROMIDE SOLUTION (CABR2): PURE, SOLIDS-FR BRINE USED FOR PREPARING COMPLETION FLUIDS AS A SINGLE CABR2 SALT SOLUTI WITH MINIMUM DENSITY OF 1.70 GM/CC, AND CAN BE BLENDED WITH ZINC BROMID AND CALCIUM CHLORIDE SOLUTIONS TO FORMULATE, SOLIDS-FREE NON-DAMAGING HIGH DENSITY BRINE BLEND WITH DENSITIES UP TO 143 PCF (19.1 LB/GAL). CHEMICAL AND PHYSICAL SPECIFICATIONS: CALCIUM BROMIDE (CABR2) SOLUTION 52% WT. MINIMUM COLORLES CLEAR LIQUID WITH NO ODO CHLORIDE CONTENT: 1000 P (0.1% WT.) MAXIMUM TURBIDITY: 6 NTU MAXIMUM SULPHATE CONTENT: 100 PP (0.01% WT.) MAXIMUM IRON CONTENT: 5 PPM MAXIMUM TOTAL HEAVY METALS (ZN, PB, HG, AS AND CD): 5 PP MAXIMUM DENSITY: 1.70 GM/CC (14.2 LB/GAL / 106 PCF) AT 70°F (20.1°C) MINIMUM PH OF 10% SOLUTI IN DI WATER: [BASIC.] 7- 8.5 TRUE CRYSTALLIZATION TEMPERATURE (TCT): 10°F (-12.2°C) SOLIDS RETAINE ON 5 MICRONS FILTER PAPE NONE SAUDI ARAMCO RESERV THE 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	Drilling & Chemicals	Drilling chemicals	2000
6000016483	MUD SYSTEM - Cutting Edge Drilling Chemical / System Technonlogy	钻井泥浆体系	ADMIXTURE DRILLING MUD; ANY,DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER CLEANING SYSTEM	Drilling & Chemicals	Drilling fluids-mud system	2300
6000016483	MUD SYSTEM - Non-Conventional LCM. Examples: Cross-Link LCM, High Solids - High Fluid Loss LCM, Swelling LCM, Others.	非常规堵漏材料	ADMIXTURE DRILLING MUD; ANY,DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER CLEANING SYSTEM	Drilling & Chemicals	Drilling fluids-mud system	2300
6000007307	PUP JOINT: CASING OCSG; HIGH NICKEL	4-1/2" to 9-5/8"耐腐蚀合金短节, 气密封性特殊螺纹	PUP JOINT OCTG; DUPLEX STAINLESS STEEL AND NICKLE BASE ALLOYS,SEAMLESS,API-5CRA,ISO-13680 AND 45-SAMSS-006,GR API-5CRA GROUP-2 TO GROUP-4 GRADES,SIZE 4-1/2 IN AND LARGER SIZES,CAL-IV QUALIFIED THREAD END CONN	Drilling & Chemicals	OCTG-Prem & Acc	3200
6000007305	CROSSOVER: OCTG; HIGH NICKEL	4-1/2" to 9-5/8"耐腐蚀合金变径接头, 气密封性特殊螺纹	ADAPTER OCTG NIPPLE/CROSSOVER/SWAGE; DUPLEX STAINLESS STEEL AND NICKLE BASE ALLOYS,SEAMLESS,API-5CRA,ISO-13680 AND 45-SAMSS-006,GR API-5CRA GROUP-2 TO GROUP-4 GRADES,CAL-IV QUALIFIED THREAD	Drilling & Chemicals	OCTG-Prem & Acc	3200
6000007303	CASING: OCTG; HIGH NICKEL; SEAMLESS	4-1/2" to 9-5/8"耐腐蚀合金套管, 气密封性特殊螺纹	CASING OCTG; DUPLEX STAINLESS STEEL AND NICKLE BASE ALLOYS,SEAMLESS,API-5CRA,ISO-13680 AND 45-SAMSS-006,GR API-5CRA GROUP-2 TO GROUP-4 GRADES,SIZE 4-1/2 IN AND LARGER SIZES,CAL-IV QUALIFIED THREAD END CONN	Drilling & Chemicals	OCTG-Prem & Acc	3200

2024 Sourcing List (China)

6000007293	COUPLING; OCTG; HIGH NICKEL	4-1/2" to 9-5/8"耐腐蚀合金接箍,气密封性特殊螺纹	COUPLING OCTG; DUPLEX STAINLESS STEEL AND NICKLE BASE ALLOYS,SEAMLESS,API-5CRA,ISO-13680 AND 45-SAMSS-006,GR API-5CRA GROUP-2 TO GROUP-4 GRADES,SIZE ANY,CAL-IV QUALIFIED THREAD END CONN,ANY LG	Drilling & Chemicals	OCTG-Prem & Acc	3200
6000003877	TUBING; OCTG; API GR; SEAMLESS	API-5C2,API-5B无缝油管	TUBING OCTG; STEEL,SEAMLESS,API-5C2,API-5B 45-SAMSS-006,SIZE ANY	Drilling & Chemicals	OCTG - API & Semi Premium & Accessories	3000
1000032699	TBG 2-3/8" 4.7# L-80.1 CS HYDRIL R-2	2-3/8" 碳钢油管 4.7# L-80.1 特殊扣HYDRIL R-2	TUBING: 2-3/8 IN. 4.7 LB/FT, L-80, HYDRIL CS, R-2; TUBING OCTG; STEEL,SEAMLESS,45-SAMSS-006,API 5CT ,API-5B API,GR L-80.1,SIZE 2-3/8 IN OD,4.70 LB/FT WT,HYDRIL CS OR EQUIVALENT END CONN,RANGE 2 LG,BLUE BAND 1,GREEN BAND 2,PIPE I.D 1.995 IN, DRIFT 1.901 IN, THREAD PER INCH 8 TPI, MAKE-UP LOSS 2.31 IN, PIPE BODY STRENGTH 104 KLBS, JOINT STRENGTH 104 KLBS, BURST PRESSURE 11,200 PSI, COLLAPSE PRESSURE 11,780 PSI, FIELD END MAKE-UP TORQUE (MIN 1,500, OPTI 1,700, MAX 1,900) FT-LBS. SAUDI ARAMCO COLOR CODE. A 2 IN WD BLUE BAND 1 IN FROM BOX UPSET EXTREME & A 2 IN WD GREEN BAND 9 IN FROM BOX UPSET EXTREME. UPDATED ON: FEB.16	Drilling & Chemicals	OCTG - API & Semi Premium & Accessories	3000
1000032750	TBG 2-7/8" 8.7# L-80.1 PH-6 R-2	2-7/8" 油管 8.7# L-80.1 特殊扣 HYDRIL PH-6 R-2	TUBING: 2-7/8 IN. 8.70 LB/FT, L-80, HYDRIL PH-6, R-2; TUBING OCTG; STEEL,SEAMLESS,45-SAMSS-006,API 5CT API-5B,GR L-80.1,SIZE 2-7/8 IN OD,8.70 LB/FT WT,HYDRIL PH-6 OR EQUIVALENT END CONN,RANGE 2 LG,BLUE BAND 1,GREEN BAND 2,PIPE I.D 2.259 IN, DRIFT 2.165 IN, THREAD PER INCH 6 TPI, MAKE-UP LOSS 3.04 IN, PIPE BODY STRENGTH 199 KLBS, JOINT STRENGTH 199 KLBS, BURST PRESSURE 15,000 PSI, COLLAPSE PRESSURE 15,310 PSI, FIELD END MAKE-UP TORQUE (MIN 3,000, OPTI 3,400, MAX 3,800) FT-LBS. SAUDI ARAMCO COLOR CODE. A 2 IN WD BLUE BAND 1 IN FROM BOX UPSET EXTREME & A 2 IN WD GREEN BAND 9 IN FROM BOX UPSET EXTREME. UPDATED ON: FEB.16	Drilling & Chemicals	OCTG - API & Semi Premium & Accessories	3000
6000000774	TRAY; CABLE, FIBERGLASS	玻璃钢电缆桥架	TRAY; CABLE TYPE, FIBERGLASS, NEMA FG-1, S-P-104 SEC. 9	Electrical	Cable Trays, Covers, Ladders, and accessories	049000
6000000841	CIRCUIT BREAKER; AIR; 480 V; LOW VOLTAGE	低压断路器	CIRCUIT BREAKER AIR; ANY POLE,480 V, LOW VOLTAGE POWER TYPE, FRAME ANY, 40 DEG C AMBIENT, FOR INDOOR, 16-SAMSS-502	Electrical	ircuit Breaker (MCCB, Vacuum, Air, Gas, Oil)	060000
6000000882	TRANSFER SWITCH; AUTOMATIC, INDOOR, LV	自动切换开关	SWITCH TRANSFER; 600V MAX, AUTOMATIC AND NON-AUTOMATIC ACTION, COMPLETELY ENCLOSED AND OPEN TRANSFER SWITCHES AND INTENDED FOR USE IN OTHER EQUIPMENT SUCH AS CONTROLGEAR AND SWITCHBOARD POSITION, AUTOMATIC TYPE, FOR INDOOR, 16-SAMSS-521, LOW VOLTAGE,	Electrical	Switchgear	040000
6000000999	FORM-WOUND BRUSHLESS SYNCH. MOTOR	无刷同步电机	MOTOR SYNCHRONOUS; 500 HP MINIMUM POWER, 4000 V MINIMUM, 3 PHASE, HORIZONTAL MTG, 17-SAMSS-520	Electrical	Electrical Motors	051000
6000012401	OHL COMPOSITE INSULATOR FOR T & D	复合绝缘子	INSULATOR TRANSMISSION & DISTRIBUTION; OHL COMPOSITE TYPE, UP TO 230 KV, 15-SDMS-02, 15-TMSS-5	Electrical	Line Poles, Transmission and Distribution Hardware	047000
6000014870	POLE LINE; POWER TRANSMISSION, 69 KV	电线杆, 69KV	POLE LINE; POWER TRANSMISSION TYPE,ANY LG,TAPERED TUBULAR STEEL SHAPE,GALVANIZED STEEL,SEC 20-TMSS-02,RATED 69 KV AND UP.	Electrical	Line Poles, Transmission and Distribution Hardware	047000
6000015902	UNIT; MOBILE SUBSTATION	移动式变电站	UNIT; MOBILE SUBSTATION TYPE,TMSS-01,35-TMSS-1 TMSS-10,46-TMSS-6 TMSS-1,31-TMSS-2 TMSS-2,32-TMSS-3 51-TMSS-1,37-TMSS-1 TMSS-03,11-SDMS-03 54-TMSS-1,MOBILE SUBSTATION AS PER ATTACHED TECHNICAL SPECIFICATION, BASED ON SEC STANDARDS.#SCOPE INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: ENGINEERING, DESIGN, MANUFACTURING, ASSEMBLING, FACTORY TESTING, DELIVERY TO KSA, MINISTRY OF TRANSPORT APPROVAL, DOCUMENTATION,#SPARE PARTS CATALOGUE, SUPPLY OF CRITICAL SPARE PARTS FOR COMMISSIONING, SITE PRE-COMMISSIONING.#	Electrical	Transformer, Power & Distribution	036000
6000016991	UNIT; MOBILE SUBSTATION; 69KV AND BELOW	移动式变电站	UNIT; MOBILE SUBSTATION TYPE, OPERATING AT 69KV AND BELOW	Electrical	Transformer, Power & Distribution	036000
6000017680	COATING, ELECTRICAL INSULATORS, HIGH VOL	高压绝缘子硅胶涂层	COATING; ELECTRICAL INSULATORS TYPE, FOR HIGH VOLTAGE,SILICON	Electrical	isconnects & Interrupt Switches, HV Eqpt	045500

2024 Sourcing List (China)

6000018420	MACHINE; TRANSFORMER FLUID TREATMENT	变压器油处理设备	MACHINE; TRANSFORMER FLUID TREATMENT TYPE,26-SAMSS-059, IEC 60292-1 IEC 60292-2, IEC 60296 IEC 60529, EN 60204-1 ASTM D3487 PNEUROP 6606-1981 - DIN 28403	Electrical	Transformer, Power & Distribution	036000
6000018430	REACTOR; AIR CORE, 4.16KV UP TO 380KV	电抗器	REACTOR; AIR CORE SERIES TYPE, 4.16KV UP TO 380KV SUPPLY, SAES-P-116,58-TMSS-02, FOR CURRENT LIMITING (DAMPING) IN SERIES WITH SHUNT CONNECTED CAPACITOR UNITS 4.16KV UP TO 380KV	Electrical	Switchgear, HV Eqpt	040500
6000008582	Water Treatment & Desalination Membranes	反渗透膜或纳滤膜元件, 水处理或海水淡化用	MEMBRANE; WATER TREATMENT & DESALINATION MEMBRANES TYPE, MEMBRANES FOR WATER PURIFICATION. SERVICE: WATER TREATMENT. TYPES: RO MEMBRANES AND BRACKISH WATER. MATERIAL: POLYAMIDE, CELLULOSE ACETATE/CELLULOSE TRIACETATE SPIRAL WOUND, HOLLOW FINE FIBER DIAMETER, NANO MEMBRANES: FOR SEAWATER AND BRACKISH WATER. MATERIAL: POLYSULFONE, CELLULOSE ACETATE, THIN FILM COMPOSITE SPIRAL WOUND, HOLLOW FIBER/CAPILLARY. CLASSIFICATION: WATER DESALINATION, WATER TREATMENT CONFIGURATION: FOR SEAWATER SIZE: 4/8/10 INCH	Environmental	Water Treatment Eqpt	211000
6000001301	DETECTOR; FIRE PROTECTION; SMOKE, HEAT	感烟、感温探测器	DETECTOR FIRE PROTECTION; SMOKE, HEAT, RADIANT ENERGY DETECTORS TYPE, UL-LISTED, FM-APPROVED NFPA 70, NFPA 72 (LAST ED) AND SAE-M-100, INCLUDE LINEAR, SPOT-TYPE, PROJECTED BEAM, IR/IR/IR, LASER, AIR-SAMPLING DETECTORS, FIRE ALARM CONTROL PANELS, PULL STATIONS AND NOTIFICATION DEVICES. THE FIRE ALARM/DETECTION COMPONENTS AND/OR FIRE ALARM/DETECTION SYSTEM SHALL HAVE AN ADDRESSABLE PERFORMANCE OF CLASS A (SLC) AND CLASS A (NAC) WITH PATHWAY SURVIVABILITY LEVEL 2. FOR INDUSTRIAL AND COMMERCIAL APPLICATIONS ONLY,	Fire	Fire Fighting Eqpt	110000
6000001304	UNIT: MOBILE FIREWATER SUPPLY	移动消防供水系统	UNIT; MOBILE FIRE WATER SUPPLY SYSTEM TYPE, FULLY INTEGRATED ENGINEERED MOBILE FIREWATER SUPPLY SYSTEM SUCH AS SUBMERSIBLE PUMP SYSTEM, PORTABLE FIRE PUMP SKID PACKAGE, OR TRAILER MOUNTED PACKAGE (CONSISTING OF DIESEL DRIVE ENGINE, PUMP, HOSES, OIL SYSTEM, TANK, ELECTRICAL SYSTEM ENCLOSED IN A CONTAINER), THE CENTRIFUGAL PUMP IS 316 SS, DUPLEX STEEL, OR BETTER, IMPELLER/PUMP CASING/SHAFT UL/FM LISTED/APPROVED AND COMPLIES WITH THE MOST RECENT EDITION OF NFPA 20	Fire	Fire Fighting Eqpt	110000
6000001310	HYDRANT; FIRE; CASTED; 6 IN INLET	消防栓	HYDRANT FIRE; 6 IN INLET, PR 200 PSI WP, UL OR/AND FM, COMPLYING WITH 21-SAMSS-15. WITH OR WITHOUT FIRE MONITOR FLANGE. WITH OR WITHOUT BREAKABLE FLANGE CHECK VALVE ASSEMBLY. FOR BREAKABLE FLANGE VALVE SEPARATELY. PURCHASE ORDER MUST SPECIFY THE OPTIONS AS PER 21-SAMSS-15.	Fire	Fire Fighting Eqpt	110000
6000001380	VALVE; FIRE WATER/PROTECTION SYSTEMS	消防水阀	VALVE; FIRE FIGHTING WATER SYSTEMS TYPE, SIZE ANY, AA UL/FM LISTED/APPROVED, INCLUDE POST INDICATOR VALVES (PIV), CHECK, SECTIONAL VALVES, OUTSIDE STEM & YOLK (OS&Y), GATE OR BUTTERFLY VALVES, WALL POST INDICATOR VALVES (WPIV), CONTROL VALVES, ALL VALVES MUST BE INDICATING, , COMPLIES WITH NFPA,, EXTERNAL COATING MUST BE CERTIFIED FOR C5-I/C5-M PER ISO 12944-6 BY 3RD PARTY LAB. IM2/IM3 3RD PARTY LAB CERTIFICATION IS ADDITIONALLY REQUIRED IF VALVE IS IMMersed/BURIED. MANUFACTURER'S STANDARD COATING CAN BE MAINTENANCE COATED BY SAUDI ARAMCO APCS CONFIRMED BY LETTER. INTERNAL COATING MUST BE RATED FOR USE IN STAGNANT SEAWATER FOR EXTENDED PERIODS. VALVE CONSTRUCTION MATERIAL SHALL BE AS PER SAES-L-108 TABLE 1 SALINE ENVIRONMENT CLASSIFICATION (EXCLUDING NOTE #22) SEE SAES-L-108 TABLE 4-B FOR SPECIFIC ALLOYS. ALL VALVES SHOULD BE PREPARED AND SHIPPED FOLLOWING MANUFACTURER'S RECOMMENDATIONS FOR OUTSIDE LONG TERM STORAGE IN CORROSIVE, HOT, AND HUMID ENVIRONMENT, CONTACT FRPD RSA FOR DETAILS S MUST BE	Fire	Fire Fighting Eqpt	110000

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6000001823	AIR CONDITIONING UNIT; PACKAGED UNIT TRA	撬装/车载空气处理机组, 制冷剂R-22或R-134A	AIR CONDITIONING UNIT; PACKAGED UNIT TRAILERIZED TYPE,AIR COOLED,R-22 OR R-134A,MANUFACTURER STANDARD	HVAC	Air Conditioning, Package Eqpt	166000
6000001828	CHILLER; WATER; PACKAGED WATER COOLED FO	离心压缩水冷却制冷机 AHRI-550/590, ASHRAE 90.1	CHILLER WATER; PACKAGED WATER COOLED FOR UTILITY APPLICATIONS TYPE,ANY NOM,CENTRIFUGAL COMPRESS,R-134A,27-SAMSS-001,AHRI-550/590 ASHRAE 90.1	HVAC	Cold Store Eqpt	169000
6000001838	CONTROLLER; PROGRAMMABLE LOGIC; ENERGY M	建筑楼宇用可编程控制器	CONTROLLER PROGRAMMABLE LOGIC; ANY INPUT PT,ANY OUTPUT P,SAES-K-011,UL-916 ASHRAE 135,ENERGY MANAGEMENT SYSTEM: BUILDING	HVAC	HVAC Controls & Sensors	178000
6000001846	HEATER; DUCT; ELECTRIC;	烟道电加热器	HEATER DUCT; ELECTRIC ELEMENT,ANY	HVAC	HVAC, Other	179000
6000001860	DAMPER ; VALVE BLAST FOR HVAC SYSTEM	空调暖通用防爆阀	PREVENTER BACKFLOW; VALVE AND DAMPER TYPE,ANY NOM PIPE,ANY,ASTM-1642-04,GSA-TS01-2003 UFGS-23-33-56,VALVE AND DAMPER: BLAST PROTECTION FOR AC AND VENTILATION	HVAC	Ducting, dampers, diffusers, grilles, louvers and filte	171000
6000001862	A/C UNIT;SPLIT; DIRECT EXP,5.5 TO 63 TONS	分体直膨式空气处理机组, AHRI 340/360,UL1995标准	AIR CONDITIONING UNIT; AIR CONDITIONING UNIT SPLIT UNIT DIRECT EXPANSION TYPE,SIZES 5.5 TO 63 COOLING TONNAGE COOLING,AHRI 340/360,UL1995,EER VALUE SHALL BE IN ACCORDANCE WITH THE EER TABLE IN SAES-K-001.	HVAC	Air Conditioning, Window & Split Eqpt	167000
6000002404	TOWER; COOLING; WATER;	水冷却塔, 符合ASHRAE 90.1	TOWER COOLING; WATER TYPE,27-SAMSS-003,ASHRAE 90.1	HVAC	HVAC, Other	179000
6000012733	CHILLER: ABSORPTION; WATER COOLED	吸收式制冷机组, AHRI-560, UL-1995, ASHRAE-90.1	CHILLER; ANY TYPE,ANY SUPPLY,AHRI 560,UL-1995 ASHRAE 90.1,ABSORPTION, SUSTAINABLE, HIGH EFFICINCY, COMPRESSOR-LESS, WATER COOLED DIRECT FIRED OR EXCESS/WASTE STEAM/HEAT FOR HVAC APPLICATION.	HVAC	Air Conditioning, Package Eqpt	166000
6000013330	FILTER, AIR, CHEMICAL	化学杂质空气过滤器	FILTER; ANY TYPE,FOR AIR, CHEMICAL,ISA 571.04,ASTM-D6646 OR ASHRA	HVAC	Ducting, dampers, diffusers, grilles, louvers and filte	171000
6000013331	FILTER, AIR, HEPA	高效颗粒物空气过滤器 UL-586	FILTER; ANY TYPE,FOR AIR, HEPA,UL-586	HVAC	Ducting, dampers, diffusers, grilles, louvers and filte	171000
6000013332	AIR HANDLING UNIT; CHILLED WATER	数据中心及控制室用精密空调	AIR HANDLING UNIT; CHILLED WATER,ASHRAE-127,UL-1995,PRECISION COOLING FOR CONTROL, COMMUNICATION AND DATA PROCESSING ROOMS	HVAC	Air Handling & Condensing Eqpt	165000
6000013333	AIR CONDITIONING UNIT; SPLIT	分体直膨式精密空调, 制冷剂R-22或R-134A, ASHRAE-127, UL-1995	AIR CONDITIONING UNIT; SPLIT TYPE,DIRECT EXPANSION,R-22 OR R-134A,ASHRAE-127,UL-1995,PRECISION COOLING FOR CONTROL, COMMUNICATION, AND DATA PROCESSING	HVAC	Air Conditioning, Window & Split Eqpt	167000
6000013337	HOOD; FUME, COMMERCIAL COOKING	商用厨房通风橱, ANSI/ASHRAE-154	HOOD; FUME, COMMERCIAL COOKING TYPE,ANSI/ASHRAE 154	HVAC	HVAC, Other	179000
6000013339	HOOD; FUME, LABORATORY	实验室用通风橱, ANSI/ASHRAE 110, UL-1805	HOOD; FUME, LABORATORY TYPE,ANSI/ASHRAE 110,UL-1805	HVAC	HVAC, Other	179000
6000014524	HUMIDIFIER: HVAC; DUCTED	烟道电加湿器, ANSI/AHRI-640	HUMIDIFIER; ELECTRIC, GAS, OR HOT WATER COMMERCIAL/INDUSTRIAL TYPE,ANY,110 VAC-460 VAC, 60 HZ,ANSI/AHRI-640,ANSI/AHRI-640 CERTIFICATE	HVAC	Ducting, dampers, diffusers, grilles, louvers and filte	171000

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6000016831	FIRE AND GAS DAMPER (OFFSHORE)	海事海工用防爆阀, IMO/SOLAS EN 1751	DAMPER; FIRE & GAS DAMPER-OFFSHORE TYPE,SIZE VARIES,STAINLESS STEEL 316L SHEET OR BETTER,INTERNATIONAL MARITIME ORGANIZATION [IMO] & SAFETY OF LIFE AT SEA [SOLAS] EN 1751,FIRE & GAS DAMPER FOR OFFSHORE [FGD-O] APPLICATIONS SHALL CONFORM TO THE FOLLOWING: #1)APPROVED 3RD-PARTY CERTIFICATE TO INTERNATIONAL MARITIME ORGANIZATION [IMO] AND SAFETY OF LIFE AT SEA [SOLAS]. #2)FGD-O SHALL BE CONSTRUCTED AND ASSEMBLED IN ITS ENTIRETY AT FACTORY, INCLUDING ACTUATOR, INSULATION AND APPURTENANCES. #3)FGD-O SHALL BE CLASS 3 TYPE IN ACCORDANCE WITH EN 1751, MULTI-LEAF, OPPOSED BLADE TYPE COMPLETE WITH OPERATING CONTROLS AND INCORPORATING SPRING SIDE SEALS. #4)FGD-O CONSTRUCTION INSIDE BATTERY ROOMS SHALL BE CONSTRUCTED OF STAINLESS STEEL 316L SHEET OR BETTER. #5)ALL BLADES SHALL BE TOTALLY ENCLOSED WITHIN THE CASING WITH THE FGD-O IN THE FULLY OPEN POSITION. #6)FGD-O CLOSING TIME SHALL NOT BE GREATER THAN 3 SEC. #7)FGD-O SHALL BE EQUIPPED WITH FUSIBLE LINKS THAT ARE RATED FOR TEMPERATURES AS PER SOLAS/IMO. #8)LOCAL VISUAL INDICATION OF FGD-O OPEN OR CLOSE STATUS SHALL BE PROVIDED BY A VISIBLE POINTER. #9)ENGRAVED NAMEPLATES SHALL BE MECHANICALLY FIXED TO EACH FGD-O WHICH SHALL INDICATE, INFORMATION THAT INCLUDE, BUT NOT LIMITED TO THE FOLLOWING: #A) MANUFACTURER NAME #B) SERIAL NUMBER#C) TAG NUMBER#D) PROJECT REFERENCE#E) YEAR OF MANUFACTURE#F) AIRFLOW#G) SIZE#H) WEIGHT#I) FIRE RATING #J) DIRECTION OF AIRFLOW.#	HVAC	Ducting, dampers, diffusers, grilles, louvers and filters	171000
6000001582	CONTROLLER; ELECTRONIC;COMPRESSOR	电子压缩机控制器	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS	Instrumentation & IT	DCS, ESD & Plant Control Systems	213000
6000002677	FLOWMETER; ANNUBAR; PITOT TUBE;	annubar式皮托管流量计	FLOWMETER; ANNUBAR, PITOT TUBE TYPE	Instrumentation & IT	Flow Instrumentation	84000
6000002689	CALIBRATION GAS CYLINDER FOR GAS MONITOR	气体检测仪	CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY	Instrumentation & IT	Analyzer, Instrument	82000
6000002739	FLOWMETER; VORTEX; VORTEX SHEDDING;	涡街流量计	FLOWMETER VORTEX; SHEDDING TYPE, ANY OPERATING, 34-SAMSS-010	Instrumentation & IT	Flow Instrumentation	84000
6000002764	INSTRUMENT; LEVEL; RADIATION TYPE;	液位仪	INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE	Instrumentation & IT	Level Instrumentation	92000
6000002810	REGULATOR; PRESSURE OR FLOW;	调节阀, 压力或流量类型	REGULATOR; PRESSURE OR FLOW TYPE	Instrumentation & IT	Valve, Control	90000
6000002822	GAUGE; RADAR; TANK GAUGING;	雷达液位仪 储罐计量	GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY.	Instrumentation & IT	Level Instrumentation	92000
6000002886	GAUGE; LEVEL; GLASS;	仪表	GAUGE LEVEL; GLASS TYPE,34-SAMSS-010,WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY IF REQUIRED.	Instrumentation & IT	Gauge, indicators	85000
6000002914	ANALYZER; GAS CHROMATOGRAPH; Sheltered	气相色谱仪	ANALYZER; GAS CHROMATOGRAPH TYPE,ANY RANGE,34-SAMSS-510,PROCESS GAS OR LIQUID	Instrumentation & IT	Analyzer, instrument	82000
6000009832	CUSTODY METER, POS DISPL , LIQUID	液体流量计	FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-118	Instrumentation & IT	CTM system	64000
6000009893	CUSTODY AUTOMATIC SAMPLING, LIQUID	采样器	SAMPLER; CUSTODY TRANSFER TYPE,34-SAMSS-525	Instrumentation & IT	CTM system	64000
6000009906	CUSTODY PRESET CONTRL, TRUCK LOAD&UNLOAD	流量积算器	COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE,34-SAMSS-847,FOR TRUCK LOADING AND UNLOADING SYSTEMS	Instrumentation & IT	CTM system	64000
6000010782	CONTROLLER; SMART VALVE POSITION TYPE	控制器	CONTROLLER; SMART VALVE POSITION TYPE,ANY RANGE,34-SAMSS-634,FOR USE WITH EMERGENCY SHUTDOWN VALVES.	Instrumentation & IT	Valve, control	90000
6000014531	MPFM FOR GAS FIELD APPLICATION	多相流量计	FLOWMETER; MULTIPHASE FLOWMETER TYPE,34-SAMSS-001,FOR GAS,FLOW RATE MEASUREMENT	Instrumentation & IT	Multiphase flowmeters	44000
6000002786	MONITOR; GAS; HYDROGEN SULFIDE;	硫化氢气体检测仪	MONITOR GAS; HYDROGEN SULFIDE,ANY RANGE,34-SAMSS-514	Instrumentation & IT	Analyzer, Instrument	82000
6000014893	FIBER OPTIC SENSING PLDS	光纤管道检漏系统	DETECTOR LEAK; FIBER OPTIC TYPE,FOR PIPELINE,SAES-Z-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.	Instrumentation & IT	DCS, ESD & PCS	213000

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600000037	PIPE & FITTINGS; NONMETALLIC, SUBSEA	水下挠性管及管件, API-17J 标准	PIPE METALLIC; ANY NPS,ANY,PE, PEX, PA, PVDF, PEEK,FLEXIBLE PIPE,ER, INTERMEDIATE LAYERS AND ER SHEATHING STRUCTURE,API 17J,APPLICATIONS: ONSHORE / OFFSHORE WATER AND HYDROCARBON APPLICATIONS, REINFORCEMENT: STEEL AND FIBER	Nonmetallic	Pipe, Composite	17000
600000042	PIPE & FITTINGS ;NONMETALLIC, RTP PIPE	增强塑料管线管及管件, API-15S	PIPE NON-METALLIC; MAXIMUM 8 INCHES NPS,REINFORCED THERMOPLASTIC (RTP),INTERNAL / EXTERNAL LINING THERMOPLASTIC(PE,PE- RT, PP PA,PVDF,PREFABRICATED SPOOL ENDS, FOR WATER AND HYDROCARBON APPLICATIONS MAX TEMP 180 F,API RP 15S,ONSHORE / OFFSHORE WATER AND HYDROCARBON APPLICATIONS	Nonmetallic	Pipe, Composite	17000
6000001430	FLOAT COLLAR; FOR MARINE HOSE	海事软管配套浮块	BEADS; SIZE ANY,NATURAL OR SYNTHETIC RUBBER SPONGE, POLYVINYL CHLORIDE FOAM, POLYETHYLENE FOAM OTHER SUITABLE MATERIAL.,FLOAT COLLAR FOR MARINE HOSES UNIT. 22-SAMSS-004 E FLOATATION	Nonmetallic	Hose, Hydraulic	206000
6000013900	PIPE & FITTINGS; NONMETALLIC; PTFE&PFA	非金属 (PTFE或PFA) 内衬管及管件	PIPE NON-METALLIC; SIZES RANGES FROM NPS 1 TO 20 NPS,ASME/ANSI CLASS 150 AND 300 SUPPLY,CARBON STEEL,NGED PIPE&FITTINGS SYSTEM VY DUTY PTFE& PFA LINED,01-SAMSS-025,CORROSIVE FLUIDS INCLUDING ACIDS AND ALKALINE SOLUTIONS SUCH AS HYDROCHLORIC ACID, NITRIC ACID, PHOSPHORIC ACID, CHLORINE/WATER, HYDRAULIC OIL, HYPOCHLORITE (SODIUM OR CALCIUM), SODIUM HYDROXIDE (CAUSTIC SODA), WATER, SEA/SALINE, WATER, AERATED AQUIFER, DESALINATION BRINE, PRODUCED WATER, DISPOSAL SALT, WATER BRINE.	Nonmetallic	Pipe, Plastic	16000
6000017130	FIRE-RETARDANT RTR	阻燃热固性树脂管 (玻璃钢管)	PIPE NON-METALLIC; ANY NPS,ANY,01-SAMSS-034, SAES-B-017, ISO 14692,PIPE & FITTING, FIRE-RETARDANT NONMETALLIC RTR FOR ABOVEGROUND FIREWATER SYS. EPOXY BASED REINFORCED THERMOSETTING RESIN PRESSURIZED PIPE. FILAMENT WOUND MANUFACTURING PROCESS WITH ADDITIONAL FIRE RETARDANT LAYER FOR ABOVEGROUND FIREWATER PIPING SYSTEMS (RAW/FIRE COMBINED WATER SYSTEM AND DEDICATED FIREWATER SYSTEM) IN ACCORDANCE WITH FM 1614. FIRE PERFORMANCE CLASSIFICATION AS PER ISO 14692-2 SECTION 6.5.2.	Nonmetallic	Pipe, Plastic	16000
6000017500	UNIT, 3D PRINTED PARTS FOR CRITICAL APP.	金属及非金属三维打印零部件	UNIT; SAEP-411,ANY METALLIC AND NONMETALLIC 3D PRINTED PARTS COMPONENTS FOR CRITICAL APPLICATIONS AS DEFINED IN SAEP-411	Nonmetallic	Pipe, CS, TP Lined	17400
6000000722	TRANSMISSION: VARIABLE SPEED	液力或磁力耦合联轴器, API 613标准	COUPLING SHAFT; STYLE ANY,ANY BORE,13-SAMSS-001,API 613,HYDRAULIC OR PERMANENT MAGNET, VARIABLE OR ADJUSTABLE SPEED, WITH OR WITHOUT GEAR, WHEN GEARED ROTORS USED SHALL COMPLY WITH 13-SAMSS-001 AND API-613.	Rotating Equipment	Power Trans & Cplgs	197000
6000002338	COMPRESSOR; DRY-SCREW, FOR AIR SERVICE	螺杆空气压缩机	COMPRESSOR; DRY-SCREW TYPE,31-SAMSS-002, FOR AIR SERVICE	Rotating Equipment	Comprsr, Utility Air	182000
6000000390	CHAIN; LOAD RATED; GRADE 80 OR 100	提升用链条	CHAIN LOAD RATED; ANY TRADE SI,ANY LOAD,M A391,M A973,CHAIN 80 OR 100 FOR SLINGS LIFTING ASSEMBLIES EXCLUDING POWER ANCHOR CHAIN DE D RATED HORE NSMISSION AND	Static Equipment	Wire Rope, Chains	156000
6000000686	BUILDING; SPACE FRAME; STEEL;	空间桁架	BUILDING; SPACE FRAME TYPE,SIZE ANY,STEEL,12-SAMSS-007,SAES-M-001 SAES-M-100,ONSHORE	Static Equipment	Steel, Structural	126000
6000002428	TIP; FLARE;	火炬头	TIP; FLARE TYPE,32-SAMSS-022	Static Equipment	Flares, Tips, Igniters and Accessories	194000
6000002430	FURNACE; DIRECT FIRED; 32-SAMSS-029;	直燃式熔炉	FURNACE; DIRECT FIRED TYPE,32-SAMSS-029	Static Equipment	Boiler, Furnace, Heat Exchange & Fuels Equipment, etc.	209000
6000002431	FURNACE; INDIRECT FIRED;	间燃式熔炉	FURNACE; INDIRECT FIRED TYPE,32-SAMSS-029	Static Equipment	Boiler, Furnace, Heat Exchange & Fuels Equipment, etc.	209000
6000002434	HEAT EXCHANGER; MULTI-PIPE; 32-SAMSS-028	多管式换热器	HEAT EXCHANGER; MULTI-PIPE TYPE,32-SAMSS-028	Static Equipment	Boiler, Furnace, Heat Exchange & Fuels Equipment, etc.	209000
6000002436	HEAT EXCHANGER; ELECTRIC; 32-SAMSS-027;	电动式换热器	HEAT EXCHANGER; ELECTRIC TYPE,32-SAMSS-027	Static Equipment	Boiler, Furnace, Heat Exchange & Fuels Equipment, etc.	209000

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600002508	FLARE; PROCESSED PLANT; INCLUDING TEMPER	炼油厂火炬系统	FLARE; PROCESSED PLANT TYPE,32-SAMSS-022,31-SAMSS-003 32-SAMSS-004,32-SAMSS-011 32-SAMSS-013,34-SAMSS-830 34-SAMSS-711,INCLUDING TEMPERATURE CONTROLS,IGNITERS AND STACK AND BURNPIT WITH ACCESSORIES, FOR FGRS INCLUDES: COMPRESSORS. PRESSURE VESSELS(WATER SEAL DRUMS) OR CONTROL VALVES WITH BUCKING PIN VALVES, BLOWERS AND AIR COOLED HEAT EXCHANGERS. FOR IN-HOUSE HPAAS (HIGH PRESSURE AIR ASSIST SYSTEM) FLARE SMOKELESS APPLICATION INCLUDE: HPAAS FLARE TIP, COMPRESSORS, PRESSURE VESSELS(AIR DRYER AND RECEIVER DRUM), CONTROL VALVES AND HEAT EXCHANGERS.	Static Equipment	Flares, Tips, Igniters and Accessories	194000
6000017570	BURNER, BOILER, STEAM GENERATOR	蒸汽发生器用燃烧器	BURNER; BOILER, STEAM GENERATOR TYPE,SIZE ANY,ANY SHAPE,ANY METAL,32-SAMSS-021	Static Equipment	Boiler, Furnace, Heat Exchange & Fuels Equipment, etc.	209000
6000000066	TUBING; COPPER-ALLOY; EEMUA; ASTM	铜镍合金管, EEMUA 或ASTM标准	TUBING; ANY TYPE,COPPER-ALLOY, INCLUDING COPPER NICKEL (90-10, 70-30, C70600, OR C71500),EEMUA144,ASTMB466 ASTM B111	Static Equipment	Tube & Fin Tubes	19000
6000000538	SERVICE: PIPING COATING, EXT, FBE EPOXY	钢管熔结环氧粉末外 涂装	SERVICE; PIPING COATING, EXTERNAL, FBE EPOXY WITH OR WITHOUT D TYPE,ASTM,09-SAMSS-089,APCS-104A, APCS-104B, APCS-104	Static Equipment	Pipe Coatings	21000
6000000539	SERVICE: PIPING COATING, INT, FBE EPOXY	钢管熔结环氧粉末内 涂装	SERVICE; PIPING COATING, INTERNAL, FBE EPOXY WITH OR WITHOUT D TYPE,09-SAMSS-091,APCS-102A/B/C, SAES-H-002, EXCEPT FIELD GIRTH WELDS. SHOP APPLICATION. FOR ONSHORE OR OFFSHORE PIPING INTERNAL	Static Equipment	Pipe Coatings	21000
6000007860	SERVICE: PIPING COATING, EXT & INT, FBE	钢管熔结环氧粉末内 外涂装 (陆上埋地管 道或海工配重管道)	SERVICE; PIPING COATING, EXTERNAL & INTERNAL, FBE EPOXY WITH OR TYPE,09-SAMSS-089,09-SAMSS-091 APCS-102A/B/C,APCS-104A/B/C SAES-H-002,SHOP APPLICATION. FOR ONSHORE BURIED SERVICE OR OFFSHORE SUBSEA SERVICE IN CONJUNCTION WITH WEIGHT COATING. WITH INTERNAL COATING REQUIREMENT.	Static Equipment	Pipe Coatings	21000
6000010182	SERVICE:PIPE FITING CUSTM COATNG,INT,FBE	管件定制内环氧粉末 涂塑	SERVICE; PIPE FITTINGS CUSTOM COATING INTERNAL, FBE TYPE,09-SAMSS-091,SAES-H-002 APCS-102A/B/C,SHOP APPLICATION. FOR ONSHORE OR OFFSHORE PIPE FITTING INTERNAL	Static Equipment	Pipe Coatings	21000
6000010183	SERVICE: PIPE FITTINGS CUSTOM COATING EXT, FBE	管件定制内环氧粉末 涂塑	SERVICE; PIPE FITTINGS CUSTOM COATING EXTERNAL, FBE TYPE,09-SAMSS-089,SAES-H-002 APCS-104A/B,APPLIED BY SAUDI ARAMCO- APPROVED CONTRACTORS/ APPLICATORS, FOR EXTERNAL COATING	Static Equipment	Pipe Coatings	21000
6000010184	SERVICE: PIPE FITTING CUSTOM COATING INT/EXT	管件定制内外环氧粉 末涂塑, 陆上埋地用 , 或与水下配重涂料 配合使用	SERVICE; PIPE FITTING CUSTOM COATING INTERNAL & EXTERNAL FBE. TYPE,09-SAMSS-089,09-SAMSS-091 SAES-H-002,APCS-102A/B/C APCS-104A/B,SHOP APPLICATION. FOR ONSHORE BURIED SERVICE OR OFFSHORE SUBSEA SERVICE IN CONJUNCTION WITH WEIGHT COATING. WITH INTERNAL COATING REQUIREMENT.	Static Equipment	Pipe Coatings	21000
6000014900	MACHINE; HOT TAP; PIPELINE SERVICE	带压开孔设备, 管线 服务	MACHINE; HOT TAP TYPE,WITH/WITHOUT POWER UNIT	Static Equipment	Pipeline Scraper, Launcher, Receiver, and Accessories	20000
6000000134	SLEEVE; PIPE; TWO HALVES; BOLTED FLANGED	管道维修用哈夫节	SLEEVE PIPE BOLTED; ANY NOM PIPE,STEEL,ANY WP,FOR PIPE REPAIR,FOR PIPE REPAIR	Static Equipment	Pipe Accessories	34400
6000000150	TEE; PIPE, SPLIT TEE; HOT TAPPING; CS	管道热开孔用三通	TEE PIPE; ANY NPS,STEEL,EXTRUDED OR WELDED BRANCH,02-SAMSS-006,SPLIT TEE, FLANGE WELDED TO BRANCH, FOR HOT TAPPING	Static Equipment	Pipe Fitting, CS	34000
6000014202	FITTING; PIPE; CUNI;ALL TYPES;EEMUA 234	铜镍合金管件, EEM UA标准	FITTING: PIPE; EEMUA 234,CUNI PIPE FITTINGS, ALL TYPES, INCLUDING ELBOWS, TEES, REDUCERS, CAPS, COUPLING, BRANCH CONNECTION, BW OR SW OR THREADED AS PER EEMUA 234. NON-HYDROCARBON UTILITY.	Static Equipment	Pipe Fitting, CS	34000
6000000181	FLANGE; PIPE; COPPER NICKEL, EEMUA 234	铜镍合金法兰, EEM UA标准	FLANGE PIPE; ALL DESIGNS TYPE,ANY NPS,ANY,EEMUA 234,COPPER-ALLOY FLANGES AND CS BACKING (LAP JOINT) FLANGES PER EEMUA 234. OR OTHER COPPER ALLOYS AS PER ASME 16.5, PIPE FLANGES AND FLANGED FITTINGS, UTILITY, NON-HYDROCARBON.	Static Equipment	Pipe Flanges, Metal	34300
6000000275	VALVE; CHECK;SWING;UP TO 12 IN; CI OR DI	铸铁止回阀, 12英寸 以内	VALVE CHECK; SIZE UP TO 12 INCH,CAST OR DUCTILE IRON BODY,SWING,FLANGED, LUG OR WAFER END CONN,04-SAMSS-035,04-SAMSS-048 04-SAMSS-005	Static Equipment	Valve Check	28000
6000000296	VALVE; GATE; WEDGE OR DBL DISC; UP TO 12	铸铁闸阀, 12英寸以 内, AWWA标准	VALVE GATE; SIZE UP TO NPS 12,ANY RATING, ALLEND'S SUPPLY,CAST OR DUCTILE IRON BODY,04-SAMSS-035,04-SAMSS-048 AWWA,WITH OR WITHOUT ACTUATOR	Static Equipment	Valve, Gate	22000

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600000302	VALVE; GLOBE; CAST OR DUCTILE IRON;	铸铁截止阀	VALVE GLOBE; ANY NPS,ANY RATING SUPPLY,ANY ENDS END CONN,CAST OR DUCTILE IRON BODY,04-SAMSS-035,04-SAMSS-048 04-SAMSS-002,WITH OR WITHOUT ACTUATOR, ANY SIZE	Static Equipment	Valve Globe	23000
600000308	VALVE; PLUG; LUBRICATED	注脂旋塞阀, API 599, API 6A标准	VALVE PLUG; LUBRICATED TYPE,SIZE ANY SIZE,ANY PRESSURE RATING SUPPLY,ANY END CONN,STEEL BODY,04-SAMSS-035,04-SAMSS-048 04-SAMSS-053,04-SAMSS-055 ASME B16.34,API 599 API 6A,WITH OR WITHOUT ACTUATOR,ASME CLASS 150 AND UP, API 2000 TRHU 5000.	Static Equipment	Valve Plug	25000
6000002255	CRANE;OVERHEAD;BRIDGE OR GANTRY;150T MAX	龙门或桥式起重机	CRANE OVERHEAD; BRIDGE & GANTRY TYPE,UP TO 150 METRIC TON LIFT,VARIES SPAN,AS PER P.O. SPEED,LONG & CROSS TRAVEL TRAVEL,MANUAL OR ELECTRICAL DRIVE,N OR ENCLOSED PS OPERATIO,PENDANT OR CABIN CONTROL,BRIDGE,GANTRY,E B30. A 70 S-M-001	Static Equipment	Crane,Ohd,Drk,Jb,Twr	159200
6000002323	CRANE; JIB; HOISTING; 1/2 TON TO 10 TON;	悬臂起重机	CRANE JIB; PILLAR MOUNTED OR WALL MOUNTED TYPE,1/2 TON TO 10 TON LIFT,ANY SPAN,ANY MAX HT,ANY ROTATION,MATERIAL HANDLING OPERATIO,SAMSS-007,S-H S-M-001,E B 30.11 & ASME B A 74	Static Equipment	Crane,Ohd,Drk,Jb,Twr	159200
6000002481	Storage Tank; Fiberglass; Shop-Fabricated	玻璃钢储罐	TANK; ANY TYPE,ANY,FIBER GLASS,32-SAMSS-002	Static Equipment	Tanks & Accessories	212000
6000002486	TRAY/PACKING FOR DISTILLATION COLUMN	蒸馏塔塔盘	TRAY; DISTILLATION COLUMN TYPE,32-SAMSS-020	Static Equipment	Spares for Process Plant (Columns, Vessels)	220100
6000017141	INLINE MIXING UNIT;	静态混合器, 在线混合阀	UNIT; VALVE/SPOOL TYPE,SAES-A-010,01-SAMSS-010 ANSI B31.3,INLINE HIGH EFFICIENCY MIXER PACKAGE, ADJUSTABLE OR STATIC, TYPICALLY HAS SPOOL OR VAVLE, FITTINGS, INJECTION CONE, INJECTION PIPE SPOOL, INJECTION QUILL, HOUSING, INTERNAL MIXING PARTS. FOR SOUR AND NON SOUR SERVICE NPS PRODUCT RANGE PER PR, ANSI FLANGE 150 TO 900#. FOR MIXING OIL WITH WATER OR CHEMICALS. FABRICATION WITH APPROVED MANUFACTURER	Static Equipment	Modular Process Unit	223000
6000017260	SKID, NITROGEN; PRESSURE SWING ADSORPTIO	变压吸附氮气发生器	SKID; NITROGEN ADSORPTION (PSA) SSURE SWING TYPE,32-SAMSS-038,NITROGEN GENERATION UNIT, PSA (PRESSURE SWING ADSORPTION) TYPE. USES ADSORBENT SUCH AS CARBON MOLECULAR SIEVE. MORE THAN 95% VOLUME PURITY NITROGEN	Static Equipment	Modular Process Unit	223000
6000017370	SEAL, PRIMARY, FOR EXTERNAL FLOATING ROOF	浮顶储罐外浮顶主密封	SEAL; PRIMARY TYPE,32-SAMSS-005, FOR EXTERNAL FLOATING ROOFS	Static Equipment	Tanks & Accessories	212000
6000017371	SEAL, SECONDARY, EXTERNAL FLOATING ROOFS	浮顶储罐外浮顶次密封	SEAL; SECONDARY TYPE,32-SAMSS-005, FOR EXTERNAL FLOATING ROOFS	Static Equipment	Tanks & Accessories	212000
6000018060	VESSEL, PRESSURE, ANY, FIBREGLASS-REINFO	玻璃钢容器	VESSEL; PRESSURE TYPE,ANY,FIBREGLASS-REINFORCED PLASTIC (FRP),32-SAMSS-039,WATER SERVICES ONLY	Static Equipment	Process Plant	220000