			Sourcing List 2020	
<b>Sr.no</b> 1	<b>Material</b> 6000004047	<b>Description</b> Isolation packer expandable	Long Text Description  PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS	<b>Commodity</b> Chemicals
2	1000757581	H2S SCAVENGER, POWDER	H2S SCAVENGER-ZINC-FREE IRON GLUCONATE ADMIXTURE DRILLING MUD; POWDER FORM,IRON GLUCONATE,FOR SCAVENGES HYDROGEN SULFIDE FROM DRILLING FLUIDS,IRON GLUCONATE,5 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 POLYETYLENE 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 FLUIDS. 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 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 SHEET (MSDS).	Chemicals
3	1000022172	ORGANOPHILIC LIGNITE	ORGANOPHILIC LIGNITE ADDITIVE DRILLING FLUID; DRY, GRAY TO BLACK POWDER FORM, LEONARDITE OR OXIDIZED LIGNITE PROCESSED TO BECOME OIL-DISPERSIBLE ORGANO-HUMATES, USED AS THE PRIMARY FILTRATION CONTROL ADDITIVE IN ANY OIL BASED DRILLING FLUID SYSTEM STABLE AT STATIC BOTTOM-HOLE TEMPERATURES UP TO 450 DEGF (232 DEGC). THE PRODUCT CONTAINS NO ASPHALT OR ASPHALT DERIVATIVES AND USED WITHOUT DETERMINATELY IMPACTING EMULSION STABILITY, SUSPENSION AND RHEOLOGICAL PROPERTIES, FOR PRIMARY FILTRATION CONTROL ADDITIVE IN ANY OIL BASED DRILLING FLUID SYSTEMS, LEONARDITE OR OXIDIZED LIGNITE PROCESSED TO BECOME OIL-DISPERSIBLE ORGANO-HUMATES, 50 LBS (22.7 Kg) MULTI- WALLED BAG, VALVE/SPOUT TYPE COMPLETELY SEALED: 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 EXPORT PACKING MANUAL., CHEMICAL AND PHYSICAL SPECIFICATIONS DRY, GRAY TO BLACK POWDER. MOISTURE: 8%WT. MAXIMUM PASSING THROUGH 70 US MESH: 100%WT. INSOLUBLE IN WATER, DISPERSIBLE IN ORGANIC SOLVENTS IMPURITIES (SAND, LIME, GYPSUM, CLAY, ETC.): 15%WT. MAXIMUM SPECIFIC GRAVITY@ 68°F (20°C): 1.20 TO 1.80 NON-TOXIC, ENVIRONMENTALLY FRIENDLY MAINTAINS LOW FILTRATION RATES AND STABLE EMULSION. 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 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).	Chemicals
4	1000022174	ORGANOPHILIC CLAY - 400F	ORGANOPHILIC CLAY ADDITIVE DRILLING FLUID; WHITE, DRY, FREE FLOWING POWDER, FREE OF LUMPS FORM,ORGANOPHILIC CLAY,FOR IMPARTS VISCOSITY AND SUSPENSION PROPERTIES TO ANY OBM,MODIFIED BENTONITE CLAY WITH QUATERNARIY AMINES,50 LBS. (22.7 KG). MULTI-WALLED BAG,VALVE /SPOUT TYPE COMPLETELY SEALED: 1STPLY 75 LB. MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 75 LB. MIN. NATURAL KRAFT PAPER. 3RDPLY 80 LB. MIN. NATURAL KRAFT PAPER (EXTERIOR PLY) WET SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,ORGANOPHILIC CLAY: OIL-BASED MUD COMPONENTS.IT IS MODIFIED BENTONITE (MONTMORILLONITE) CLAY WITH QUATERNARY AMINES USED TO IMPART VISCOSITY AND SUSPENSION PROPERTIES TO ANY OIL-BASED DRILLING AND COMPLETION FLUIDS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DRY, OFF-WHITE TO TAN OR GRAY POWDER. MOISTURE: 5% WT. MAXIMUM PASSING THROUGH 70 US MESH (210 MICRONS): 100%WT. INSOLUBLE IN WATER, DISPERSIBLE IN ORGANIC SOLVENTS DECOMPOSITION TEMP: >200°F (93°C), NON-FLAMMABLE SPECIFIC GRAVITY @ 68°F (20°C): 1.57 TO 1.70 NON-TOXIC, ENVIRONMENTALLY FRIENDLY MAINTAIN LONG TERM SUSPENSION. 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 SHEET (MSDS).	Chemicals

		1		
			LIGNITE-FILTRATION CONTROL AGENT	
			ADDITIVE DRILLING FLUID; POWDER FORM,LIGNITE,FOR USED FOR	
			FILTRATION AND RHEOLOGY CONTROL OF WATER-BASED MUD, BLACK POWDER	
			NATURALLY OCCURRING LIGNITE,50 LBS. (22.7 KG) BAG. SHIPMENT OF	
			PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING	
			MANUAL.,LIGNITE FILTRATION CONTROL AGENT: BLACK POWDER NATURALLY	
			OCCURRING LIGNITE USED FOR FILTRATION AND RHEOLOGY CONTROL OF	
			WATER-BASED DRILLING FLUIDS. IT FUNCTIONS WELL IN HIGH PH	
			ENVIRONMENTS AND IS TOLERANT OF COMMON MUD CONTAMINANTS SUCH AS	
			CALCIUM UP TO 1000 PPM. IT IS SUITABLE FOR USE IN LIME AND	
			GYPSUM MUD SYSTEMS AT TEMPERATURES EXCEEDING 400°F (204°C).	
			OTHER ASSOCIATED ELEMENTS MUST NOT BE HARMFUL TO PERSONNEL	
			AND/OR ADVERSELY AFFECT FLUID PROPERTIES. CHEMICAL AND PHYSICAL	
5	1000827162	LIGNITE	SPECIFICATIONS: APPEARANCE: BLACK POWDER SOLUBILITY: REQUIRES AN	Chemicals
			ALKALINE WATER TO SOLUBILIZE. PH 9.0 OR ABOVE SPECIFIC GRAVITY @	
			68°F (20°C): 1.6 - 1.8 BULK DENSITY @ 20°C: 40 - 52 LBS/FT3	
			CRYSTALLINE SILICA, QUARTZ (SIO2): 5%WT. 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	
			(COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL:	
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			EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND	
			CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY	
			DATA SHEET (MSDS).	
			DRILLING FLUID CORROSION INHIBITOR	
			ADDITIVE DRILLING FLUID; LIQUID FORM, CORROSION INHIBITOR, FOR	
			USED TO ALLEVIATE DRILLING FLUIDS CORROSION, LIQUID AMINE, 55 GAL	
			(208 LITER) DRUM SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI	
			ARAMCO EXPORT PACKING MANUAL., DRILLING FLUID CORROSION	
			INHIBITOR: CATIONIC FILMING POLYAMINE OF A MODIFIED FATTY ACID	
			SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE	
			DRILLING FLUIDS CORROSION. THE ADDITIVE COATS THE METAL SURFACE	
			WITH A PASSIVATION LAYER TO HELP PROTECT IT FROM HYDROGEN	
			SULFIDE, CARBON DIOXIDE, AND OXYGEN CORROSION. CHEMICAL AND	
6	1000022134	OIL SOLUBLE CORROSION INHIBITOR	PHYSICAL SPECIFICATIONS: DARK BROWN LIQUID OIL SOLUBLE AND WATER	Chemicals
"	1000022134	OIL SOLUBLE CORROSION INHIBITOR	DISPERSIBLE SPECIFIC GRAVITY @ 68°F (20°C): 0.90 - 0.92 FLASH	Chemicals
			POINT (PMCC): >140°F (60°C) PH (1% SOLUTION IN DI WATER) AT 68°F	
			(20°C): 6 - 8. 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.	
		<u> </u>	ILLA ZOOMA A COODDINIO TO THE MAATERIAL CAFETY DATA CHEET (MACRO)	
			HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS).	
			HIGH TEMPERATURE CORROSION INHIBITOR	
			HIGH TEMPERATURE CORROSION INHIBITOR ADDITIVE DRILLING FLUID; LIQUID FORM, CORROSION INHIBITOR FOR	
I			HIGH TEMPERATURE CORROSION INHIBITOR ADDITIVE DRILLING FLUID; LIQUID FORM,CORROSION INHIBITOR FOR HIGH TEMPERATURE,FOR ALLEVIATE FRESH, BRACKISH OR BRINE PACKER	
			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	
			HIGH TEMPERATURE CORROSION INHIBITOR ADDITIVE DRILLING FLUID; LIQUID FORM,CORROSION INHIBITOR FOR HIGH TEMPERATURE,FOR ALLEVIATE FRESH, BRACKISH OR BRINE PACKER	
			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	
			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	
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			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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER	
			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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE	
			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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND	
			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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION	
			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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT	
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES  AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER  USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER  FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE  ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND  DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION  IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT  ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL  SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F.IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER (3:1) AT 68°F( 20°C): 6 - 7. SAUDI ARAMCO RESERVES THE RIGHT TO	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F.IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER (3:1) AT 68°F( 20°C): 6 - 7. SAUDI ARAMCO RESERVES THE RIGHT TO	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER  (3:1) AT 68°F (20°C): 6 - 7. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F.IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER (3:1) AT 68°F (20°C): 6 - 7. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES  AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER  USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER  FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE  ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND  DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION  IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT  ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL  SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER  DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH  POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER  (3:1) AT 68°F (20°C): 6 - 7. 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	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER  (3:1) AT 68°F (20°C): 6 - 7. 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	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER (3:1) AT 68°F (20°C): 6 - 7. 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	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER  (3:1) AT 68°F (20°C): 6 - 7. 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	Chemicals
7	1000022135	AMINE CORROSION INHIBITOR	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 CORROSION INHIBITOR: A BLEND OF AMINES AND IMIDAZOLINE AMIDE, SOLUBLE IN OIL AND DISPERSIBLE IN WATER USED TO ALLEVIATE CORROSION IN FRESH, BRACKISH OR BRINE PACKER FLUID AT HIGH WELLBORE TEMPERATURES UP TO 400°F. IMIDAZOLINE ADSORPTION FORMS A CHEMICAL FILM ON IRON AND STEEL SURFACES AND DEVELOPS A PASSIVATION LAYER THAT PROVIDES CORROSION PROTECTION IN SOUR H2S, SWEET CO2 AND OXYGEN CORROSION ENVIRONMENT ENCOUNTERED IN OIL AND GAS WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: DARK AMBER LIQUID OIL SOLUBLE AND WATER DISPERSIBLE SPECIFIC GRAVITY @ 59°F (15°C): 0.8 - 0.9 FLASH POINT (PMCC): >136.4°F (58°C) DILUTED SOLUTION WITH DI WATER (3:1) AT 68°F (20°C): 6 - 7. 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	Chemicals

8	1000022136	WATER SOLUBLE CORROSION INHIBITOR	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: A COMBINED LIQUID BIOCIDE AND CORROSION INHIBITOR, CATIONIC, WATER SOLUBLE, HETEROCYCLIC AMINE BLENDED WITH METHANOL MICROBIOSTAT TO CONTROL AEROBIC AND ANAEROBIC BACTERIA GROWTH. IT IS USED AS A PACKER FLUID CORROSION INHIBITOR TO CONTROL GENERAL CORROSION ATTACK ON CASING, TUBING AND DOWNHOLE TOOLS IN CONTACT WITH CLEAR AND VISCOSIFIED COMPLETION BRINES. CHEMICAL AND PHYSICAL SPECIFIC GRAVITY @ 68°F (20°C): 0.98 -1.07 PH (CONCENTRATED  SOLUTION) @ 68°F (20°C): 4 - 6 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 SHEET (MSDS).	Chemicals
9	1000022170	NON-IONIC POTATO STARCH	POTATO STARCH-NUN-IUNIC DRILLING GRADE  ADDITIVE DRILLING FLUID; DRY, FREE FLOWING COARSE GRANULATED  POWDER FORM,POTATO STARCH,FOR USED AS A FILTRATE REDUCING AGENT IN WBM WITH HIGH CONCENTRATIONS OF MONOVALENT AND DIVALENT  CATIONS OR COMBINATIONS OF ELECTROLYTES, WITH MINIMAL INCREASE IN VISCOSITY.,POTATO STARCH,25 KG (55.1 LBS) MULTI-WALL PAPER  BAG, VALVE/SPOUT TYPE COMPLETELY SEALED, MOISTURE AND WATER  PROOF. THE CONSTRUCTION OF THE MULTI-WALLED 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 (TUBULAR SHAPE) POLY-ETHYLENE RESIN INNER LINER  WITH A MINIMUM 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.,A COMPOSITE  SAMPLE REPRESENTING EACH DELIVERED BATCH CONFORMS TO API SPEC 13A SECTION16  //ISO 13500 STANDARD EVALUATIONS.,POTATO STARCH-NON-IONIC DRILLING-GRADE:  DRY,FREE-FLOWING COARSE GRANULATED POWDER, FREE FROM LUMPS AND RESISTANT  TO MICROBIAL ATTACKS. POTATO STARCH RETAINS FLUIDS MUCH BETTER THAN OTHER  STARCHES DUE TO THE LARGE SIZE OF ITS MOLECULES. IT IS SUITABLE FOR USE AS A  FILTRATE- REDUCING AGENT IN A VARIETY OF WATER BASED DRILLING FLUIDS WITH HIGH  CONCENTRATIONS OF MONOVALENT AND DIVALENT CATIONS OR COMBINATIONS OF  ELECTROLYTES, AND CAUSES MINIMAL INCREASE IN VISCOSITY. THE PRODUCT IS A NON- FERMENTING STARCH,BIODEGRADABLE, ENVIRONMENTALLY ACCEPTABLE AND HAS  THERMAL STABILITY UP TO 250°F (121°C). POTATO STARCH QUALITY IS MONITORED BY  EXPEC ARC LABORATORIES. EXPEC CERTIFICATE OF ACCEPTANCE (EXPEC/COA) REFERRING  TO THE RESPECTIVE BATCH NUMBER MUST BE ATTACHED TO EACH SHIPMENT  DOCUMENTS ACCEPTED FOR FIELD APPLICATIONS. CHEMICAL AND PHYSICAL  SPECIFICATIONS: OFF-WHITE, FREE-FLOWING GRANULAR POWDER NON-IONIC POTATO	Chemicals
10	1000811529	N-FLOW - LOSURF-259	EXBRAM-24SGROSCEMYL.SYMALT SORPHEPIANI - GRACHIBLEST ON CINIC ANGLILI AR PARTICLES  ADDITIVE DRILLING FLUID; LIQUID FORM, SURFACTANT, FOR DESIGNED AS  NONEMULSIFIER ADDITIVE FOR ACIDIZING LIMESTONE, DOLOMITE AND  SANDSTONE, OR FOR FRACTRURE CLEANING TREATMENT., NONIONIC  SURFACTANT BLEND, 5 GALLON CAN SHIPMENT OF PRODUCTS MUST CONFORM  TO SAUDI ARAMCO EXPORT PACKING MANUAL., LOSURF-259 NONEMULSIFIER  SURFACTANT-HALLIBURTON: CLEAR LIQUID NONIONIC SURFACTANT BLEND  SPECIFICALLY DESIGNED AS A NONEMULSIFIER ADDITIVE IN ACIDIC OR  NONACIDIC FLUIDS USED FOR ACIDIZING LIMESTONE, DOLOMITE AND  SANDSTONE FORMATION OR FOR FRACTURE CLEANING TREATMENT. THE  SURFACTANT BLEND INCLUDES ETHOXYLATED ALCOHOL, ISOPROPANOL AND  HEAVY AROMATIC PETROLEUM NAPHTHA WHICH BREAKS THE OIL BASE MUD  EMULSION AND WATER-WETS BOTH SAND AND LIMESTONE. IT DOES NOT  ADVERSELY AFFECT ACID REACTION TIMES AND IS USED IN PUSH PILL  SPACER PRIOR TO SPOTTING N-FLOW 325 FILTER CAKE BREAKER /  REMOVER TREATMENT. [N-FLOW 325 TREATMENT SYSTEM CONSISTS OF  HALLIBURTON-BAROID PRODUCTS, LOSURF-259, MUSOL A, N-FLOW 325 &  BDF-443]. CHEMICAL AND PHYSICAL SPECIFIC GRAVITY @ 68°F (20°C):  0.92 BOILING POINT: 198°F (92°C) POUR POINT: -50°F (-45°C) FLASH  POINT: 63°F (17°C) NON DEGRADABLE IN 15% HCL. 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,  EVERBATION DATE AND COLUMTRY OF CARICINA MANUFACTURER BAND	Chemicals

			ZINC OXIDE (ZNO) - H2S SCAVENGER	
			ADDITIVE DRILLING FLUID; FINE POWDER FORM,ZINC OXIDE (ZNO),FOR	
			HYDROGEN SULFIDE SCAVENGER FOR DRILL PIPE CORROSION	
			PROTECTION, INORGANIC COMPOUND OF ZINC OXIDE, 25 KG (55.1 LBS.)	
			MULTI-WALLED PAPER BAG. SHIPMENTS SHALL CONFORM TO SAUDI ARAMCO	
			EXPORT PACKING MANUAL., ZINC OXIDE-H2S SCAVENGER: AN INORGANIC	
			COMPOUND ZNO, A PURE WHITE VERY FINE POWDER THAT IS INSOLUBLE IN	
			WATER AND USED AS A HYDROGEN SULFIDE (H2S) SCAVENGER FOR DRILL	
			, ,	
			PIPE CORROSION PROTECTION IN FRESH WATER OR BRINE DRILLING AND	
			COMPLETION FLUIDS. THE PRODUCT NORMALLY CONSISTS OF AGGLOMERATED	
			ZINC OXIDE PARTICLES WITH AN AVERAGE SIZE OF 0.1 TO A FEW	
			MICROMETERS. CHEMICAL AND PHYSICAL SPECIFICATIONS: VERY FINE	
11	1000021671	ZINC OXIDE	PARTICLE-SIZE ZNO IS REQUIRED FOR FAST EFFICIENT H2S SCAVENGING	Chemicals
			PURITY: 90%WT. MINIMUM SPECIFIC GRAVITY @ 77°F(25°C):5.6	
			PARTICLE SIZE DISTRIBUTION:D50 LESS THAN 20 MICRONS BULK	
			DENSITY: 164 LB/FT3 (2627 KG/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 (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).#	
			CALCIUM CHLORIDE (77-78%) 1000 KG/BIG BAG	
			ADDITIVE DRILLING FLUID; DRY FLAKES, PELLETS, OR GRANULAR	
			FORM, DRY FLAKES, PELLETS, OR GRANULAR, WATER-SOLUBLE, USED AS	
			WEIGHTING AGENT TO FORMULATE 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 QUALITY IS	
			MONITORED BY EXPEC ARC LABORATORIES. EXPEC CERTIFICATE OF	
			ACCEPTANCE (EXPEC/COA) REFERRING TO THE RESPECTIVE BATCH NUMBER	
			MUST BE ATTACHED TO EACH SHIPMENT DOCUMENTS ACCEPTED FOR FIELD	
			APPLICATIONS.,FOR USED AS WEIGHTING AGENT TO FORMULATE	
			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	
12	1000022533	CALCIUM CHLORIDE (77-78%) 2200 lb/BAG	SLURRIES,CALCIUM CHLORIDE 77-78%,1000 KG (2204 LBS) MULTI- WALL	Chemicals
1			MOISTURE-PROOF POLYETHYLENE LINED 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 AND OUTSIDE STORAGE.	
1			THE DISPOSABLE SUPER SACKS SHOULD HAVE AT LEAST 75% OF THEIR	
1			SHELF LIFE REMAINING (THE PERIOD FROM DATE OF MANUFACTURING TO	
			THE WARRANTED EXPIRATION DATE) WHEN SHIPPED OR RECEIVED AT	
1			DESIGNATED PLACE OF DELIVERY TO SAUDI ARAMCO. REFER TO SAP	
			NUMBER: 1000840600 FOR # DISPOSABLE SUPER SACKS SPECIFICATIONS.	
			SUPPLIERS ARE REQUIRED TO WEIGHT THE TRUCKS BEFORE AND AFTER	
l			LOADING AND SUBMIT TO MATERIAL SUPPLY AN OFFICIAL TICKET PRINT	
1			DATA STATING: DATE AND TIME, COMPANY AND ADDRESS, TRUCK IDENTITY	
1				
1			NUMBER, MATERIAL NAME, TRUCK WEIGHT BEFORE AND AFTER LOADING.  SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDLARAMCO EXPORT PACKING.	
			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	
13	6000016483	MUD SYSTEM		Chemicals
			SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR DRILL-IN	
			FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER	
1			BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM), SPACER	
			CLEANING SYSTEM	

			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 THE PH AND TO PROVIDE CALCIUM	
			IONS IN DRILLING AND COMPLETION FLUIDS TO MAINTAIN A BASIC PH.	
			IT IS AN ESSENTIAL ADDITIVE USED AS A MEANS OF ADJUSTING THE	
			ALKALINITY WHEN BICARBONATE/CARBONATE AND H2S CONTAMINATIONS	
			EXIST. IN ADDITION, LIME IS USED FOR MAINTAINING THE ALKALINITY	
14	1000021558	CALCIUM HYDROXIDE - LIME	OF OIL-BASED DRILLING FLUIDS TO ACTIVATE THE FATTY ACID BASED  EMULSIFIERS AND OFFERS A DEGREE OF CORROSION PROTECTION.	Chemicals
14	1000021558	CALCION HYDROXIDE - LIME	CHEMICAL AND PHYSICAL SPECIFICATIONS WHITE POWDER CALCIUM	Chemicals
			HYDROXIDE CA(OH)2: 90% WT. MINIMUM MOISTURE: 1%WT. MAXIMUM PH:	
			12.0 - 12.5 - 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% HYDROCHLORIC ACID): 0.2% WT. MAXIMUM MAGNESIUM AND ALKALI	
			SALTS:2.5% WT. MAXIMUM IRON CONTENT: 0.1% WT. MAXIMUM PASS THROUGH 75 μM SIEVE (DRY SCREEN):100%. 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,	
			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 -	
			SODIUM SULFITE: ANHYDROUS SODIUM SULFITE (NA2SO3) COMMERCIAL	
			GRADE. USED FOR REMOVING SOLUBLE OXYGEN FROM WATER-BASED	
			DRILLING FLUIDS AND MONOVALENT BRINES. IT REACTS WITH DISSOLVED OXYGEN TO REDUCE OXYGEN CORROSION TO FORM SULFATE (SO4-2). THIS	
			REACTION REQUIRES A COBALT CATALYST IN THIS CHEMICAL. SOLUBLE	
			OXYGEN REMOVAL USING SMALL AMOUNTS OF THIS PRODUCT REDUCES THE	
15	1000185026	SODIUM SULFITE	THERMAL DEGRADATION RATE OF THE DRILLING FLUIDS ORGANIC POLYMERS	Chemicals
13	1000163026	SODIOW SOLFITE	IN HIGH TEMPERATURE WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS:	Chemicals
			PURITY: ANHYDROUS SODIUM SULFITE (NA2SO3): 95%WT. MINIMUM WHITE	
			TO OFF-WHITE POWDER CATALYZED WITH COBALT: 0.03%WT. MINIMUM PH (1% SOLUTION IN DI WATER): 6.5 - 7.0. 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 SHEET (MSDS)	
1			ADDITIVE DRILLING FLUID; POWDER, SOLID POLYMERS FORM, POLYMER, FOR	
			LOST CIRCULATION MATERIAL, BLEND OF POLYMERS AND CROSS-LINKING	
			AGENTS,40 LB. (18.14 KG) SEALED MULTI-WALL PAPER BAG, THE	
			CONSTRUCTION OF THE MULTI-WALLED PAPER BAG SHALL BE AS FOLLOWS:	
			1ST PLY 75 LB. MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2NDPLY 75	
			LB. MIN. NATURAL KRAFT PAPER 3RD PLY 80 LB. MIN. NATURAL KRAFT PAPER (EXTERIOR PLY). SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI	
			ARAMCO EXPORT PACKING MANUAL., CROSS-LINKED LCM PILL: FREE	
			FLOWING POWDER COMPOSED OF POLYMERS AND CROSS-LINKING AGENTS	
			THAT FORMS A STIFF AND RUBBERY RIGID GEL PLUGS TO CONTROL SEVERE	
			MUD LOSSES IN LARGE FRACTURES OR VUGS. THIS PRODUCT CAN ALSO	
			FORM A PLUG INSIDE CASING AND/OR IN OPEN HOLE FOR PREVENTION OF	
16	1000757567	Cross-LINK LCM	MUD LOSSES DUE TO EXCESSIVE HYDROSTATIC PRESSURE. RESULTING PLUG	Chemicals
10	1000131301	CLOSS ELIVIN ECIVI	CAN BE DRILLED, REAMED AND REMOVED FROM THE CIRCULATING SYSTEM BY SHALE SHAKERS. IT IS COMPATIBLE WITH WBM AND OBM, AND	CHEHIICAIS
			EFECTIVE INTO A BROAD RANGE OF TEMPERARATURE BETWEEN 60 °F AND	
			400 °F. TREATMENT IS BASED ON BOTTOM HOLE TEMPERATURE, OPEN HOLE	
			SIZE AND LITHOLOGY. SETTING TIME IS CONTROLLED#BY THE BOTTOM	
			HOLE TEMPERATURE AND THEREFORE, THE WELL TEMPERATURE PROFILE	
			MUST BE WELL KNOWN. HIGH TEMPERATURE APPLICATIONS WILL REQUIRE A	
			SUPPLEMENTAL RETARDER OR DELAYING AGENT(SAP#1000757568). CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: BROWN TO TAN	
			ODORLESS POWDER SPECIFIC GRAVITY @ 68 °F (20 °C): 1.2#TREATMENT:	
			A 40 LB. BAG OF CROSS-LINK LCM PILL MAKES ONE BARREL OF	
			PILL/PLUG. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT	
			REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO	
			ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND	
		1	SDECIEICATIONS DRODLICT MANILIEACTURER AND/OR SUDDITIER ARE	

17	1000757568	Cross-LINK LCM Retarder	CROSS-LINKED LCM PILL RETARDER ADDITIVE DRILLING FLUID; CLEAR LIQUID FORM, ADDITIVE RETARDER, FOR RETARDER OR DELAYING AGENT FOR CROSS-LINK LCM PILL, FOR CURING MUD LOSSES INTO FORMATION., RETARDER, 5 GALLONS CAN SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL., CROSS-LINKED LCM PILL RETARDER: CLEAR LIQUID RETARDER, FOR CROSS-LINKED LCM PILL, USED IN CROSS-LINKED LCM PILL SAP#1000757567 PLUG. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: ODORLESS CLEAR LIQUID, SOLUBILITY: SOLUBLE IN WATER, SPECIFIC GRAVITY @ 68°F (20°C): 1.30 - 1.33, BOILING POINT: 221°F (105°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 SHEET	Chemicals
10	C000010721	Curan dahla Dina Custons	(MSDS)	Drilling Favrings out
18 19	6000010721 6000015784	Expandable Pipe System  Multilateral system	UNIT; ANY TYPE,EXPANDABLE CASING & ACCESSORIES  LATERAL; ANY NPS,ANY,LATERALS AND ACCESSORIES EQUIPMENT	Drilling Equipment  Drilling Equipment
20	6000013784	Open Hole Expandable latch anchor whipstock	WHIPSTOCK; RETRIEVABLE TYPE, ANY CSNG DRE, DRILLING OPERATIONS	Drilling Equipment
21	6000004043	Single ICD Installation	CEMENTER; ANY TOOL OD, ANY DRILL OD, MULTI STAGE INFLATABLE AND MECHANICAL	Drilling Equipment
			PACKER FOR CEMENTING (DV)	
22	6000010715	Tracer Subs system ( 3-1/2" & 4-1/2")	PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	Drilling Equipment
23	6000003815	API coupling OCTG	OUPLING OCTG; STEEL,FORGED SEAMLESS,45-SAMSS-006,API-5CT PI-5B,GR J-55, K-55, L-80, L80-13CR, S-95, P-110,SIZE 2-3/8 IN 18-5/8 IN,4.7 LB/FT - 115 LB/FT WT,ANY END	Drilling Equipment
23	0000003813	IALL COUPING OCTO	CONN,ANY LG	אווווווא Equipinent
24	6000003721	Mudline Suspension system with suspension caps	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 Equipment
25	6000003789	VALVE: BACKPRESSURE; & TWCV; WLHD	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 Equipment
26	6000000774	TRAY; CABLE, FIBERGLASS	TRAY; CABLE TYPE, FIBERGLASS, NEMA FG-1,S-P-104 SEC. 9	Electrical
27	6000000894	SWITCHGEAR: SF-6, 1 TO 36 KV	SWITCHGEAR; MANUALLY OPERATED TYPE,1 TO 36 KV,ANY BIL ,PAD MTG,16-SAMSS-510,ANSI/IEEE OR IEC,SF-6,	Electrical
28	6000000999	FORM-WOUND BRUSHLESS SYNCH. MOTOR	MOTOR SYNCHRONOUS; 500 HP MINIMUM POWER,4000 V MINIMUM,3 PHASE PHASE,HORIZONTAL MTG,17-SAMSS-520	Electrical
29	6000015902	UNIT; MOBILE SUBSTATION	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 PRECOMMISSIONING.#	Electrical
30	6000016594	CAPACITOR BANK	UNIT; SHUNT CAPACITOR TYPE,43-TMSS-01,SAES-P-116,POWER FACTOR CORRECTION CAPACITOR BANK 4.16KV THROUGH 380KV	Electrical
31	6000000919	SWITCHGEAR; LV CONTROLGEAR, FIREWATER PU	SWITCHGEAR; CONTROLGEAR, FIREWATER PUMP TYPE, ANY BIL, UL-218, LOW	Electrical
32	6000000920	SWITCHGEAR; HV CONTROLGEAR, FIREWATER PU	VOLTAGE,OUTDOOR SWITCHGEAR; CONTROLGEAR,FIREWATER PUMP TYPE,ANY BIL,UL-218, HIGH VOLTAGE,OUTDOOR	Electrical
33	6000000903	SWITCH; DISCONNECT; HIGH VOLTAGE;	SWITCH DISCONNECT; HIGH VOLTAGE, ANY ACTION, ELECTRICAL TYPE, 30-TMSS-01	Electrical
34	6000015923	BUS; ISOLATED PHASE BUS DUCT	BUS; SIZE ANY,ANY,16-SAMSS-523,ISOLATED PHASE BUS DUCT	Electrical
35	6000016802	ANODE; MMO GRID, WITHOUT LEAD; CP	ANODE IMPRESSED CURRENT; GRID SYSTEM, WITHOUT LEAD TERMINAL, MIXED METAL OXIDE COATED TITANIUM BASE, TITANIUM CONDUCTOR BAR & ANODE WIRE CONNECTION, FOR CATHODIC PROTECTION, 17-SAMSS-007	Electrical
36	6000001011	POWER SUPPLY;ELECTRICAL;SOLAR,CP	POWER SUPPLY ELECTRICAL; HODIC PROTECTION POWER PLY ELECTRICAL SOLAR POWER TYPE,ANY POWER,ANY,17-SAMSS-012	Electrical
37	6000015510	ANODE;GALVANIC,HIGH TEMPERATURE ZINC,CP	ANODE GALVANIC; HIGH TEMPERATURE ZINC,17-SAMSS-006,CATHODIC PROTECTION	Electrical
38	6000001040	ANODE GALVANIC; MAGNESIUM, WITHOUT LEAD, CP	ANODE GALVANIC; MAGNESIUM,17-SAMSS-006,CATHODIC PROTECTION WITHOUT LEADS  CABLE ELECTRICAL; ANY SUPPLY,ANY CONDUCTO,ORED HODIC PROTECTION OFFSHORE	Electrical
39	6000000957	CABLE;ELECTRICAL, CP, OFFSHORE ANODE	TYPE,POWER TYPE,17-SAMSS-017,ARMORED  CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE,SPECIALIZED	Electrical
40	6000001582	CONTROLLER; ELECTRONIC; COMPRESSOR	CONTROLLER, COMPRESSOR INCLUDING SURGE CONTROL TIPE, ANT RANGE, SPECIALIZED	Instrumentation and IT
41	6000002659	ANALYZER; COLOR;	ANALYZER; COLOR TYPE,ANY RANGE,	Instrumentation and IT
42	6000002689	CALIBRATION GAS CYLINDER FOR GAS MONITOR	CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS	Instrumentation and IT
43	6000002725	ESD; ELECTRONIC; SOLID STATE	MONITORS ONLY  RELAY PROTECTION SOLID STATE; ANY COIL, ANY CONTACT, ANY TYPE, EMERGENCY SHUTDOWN SYSTEM ACTION, 34-SAMSS-621, SOLID STATE ELECTRONICS BASED USED TO SAFELY SHUTDOWN A PROCESS IN CASE OF PROCESS DEVIATING TO HAZARDOUS OPERATING CONDITIONS.#	Instrumentation and IT
44	6000002732	MONITOR; FLAME MONITORING SYSTEM	MONITOR; IGNITERS AND BURNERS USED E MONITORING SYSTEM D IN FIRED EQUIPMENT. TYPE,ANY RANGE,34-SAMSS-617	Instrumentation and IT
45	6000002746	ANALYZER; GRAVITOMETER;	ANALYZER; GRAVITOMETER TYPE,ANY RANGE,	Instrumentation and IT
46	6000002777	FLOWMETER; MULTIPATH ULTRASONIC; GAS SER	FLOWMETER; MULTIPATH ULTRASONIC TYPE,34-SAMSS-010,GAS SERVICE	Instrumentation and IT
47	6000002786	MONITOR; GAS; HYDROGEN SULFIDE;	MONITOR GAS; HYDROGEN SULFIDE, ANY RANGE, 34-SAMSS-514	Instrumentation and IT

	Instrumentation and IT  PE, ANY RANGE, 34-SAMSS-510, PROCESS  Instrumentation and IT  Instrumentation
MILLIONIC AMALYZIS, GAL PERCONAL CIGARANY SITEMATION   MILLIONIC AMALYZIS, GAL SCHOOLAND CORNEL   MILLIONIC AMALYZIS, GAL PERCONAL CIGARANY SITEMATION   MILLIONIC AMALYZIS, GAL PERCONAL CIGARA SITEMATICA CIGARA S	PE,ANY RANGE,34-SAMSS-510, PROCESS  Instrumentation and IT  RING TYPE,INCLUDING POWER SUPPPLIES, FOR USE  MENTS ONLY  INSTRUMENTATION INSTRUMENTATION OF THE PURPOSE OF THE CABLE TO WAY EACH OF THE CABLE TO WE LEAK PETERING TYPE, ANY RANGE, 34-SAMSS-634, FOR USE WITH  INSTRUMENTATION HELDBUS  FOR PIPELINE, SAES-2-003, SYSTEMS USE  V WITHIN A PIPELINE TO DETECT THE LEAK, FOR SIS ANY RANGE, SAES-2-003, SYSTEMS USE  V WITHIN A PIPELINE TO DETECT THE LEAK, FOR SIS ANY REAL PROPERTY OF THE CABLE TO WE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.  RESSURE WAYE METHOD ANALYSES  INSTRUMENTATION OF THE CONDUCTIVITY OF THE CABLE TO WE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.  REPIPELINE, SAES-2-003, THE FIBER OPTIC CABLE  REPIPELINE, SAES-2-100, SAES AND SEAS AND
	Instrumentation and IT  NAVE RADAR (GWR) TYPE, GUIDED WAVE RADAR  Instrumentation and IT  RING TYPE, INCLUDING POWER SUPPPLIES, FOR USE MENTS ONLY  TYPE, ANY RANGE, 34-SAMSS-634, FOR USE WITH  I, FOUNDATION FIELDBUS  I, FOR PIPELINE, SAES-Z-003, SYSTEMS USE WITHIN A PIPELINE TO DETECT THE LEAK, FOR SIS APPLICATIONS.  WAVE (ACOUSTIC) TYPE, FOR RESSURE WAVE METHOD ANALYSES WHEN A LEAK OCCURS, FOR PIPELINE CATIONS.  R PIPELINE, SAES-Z-003, THE FIBER OPTIC CABLE TYPEMP AND THE CONDUCTIVITY OF THE CABLE TO RE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.  R PIPELINE, SAES-Z-003, THE FIBER OPTIC CABLE TYPEMP AND THE CONDUCTIVITY OF THE CABLE TO RELEAK DETECTION SYSTEM (PLDS) APPLICATIONS.  REPURPOSE OF INCREASING PIPELINE OR THE PURPOSE OF INCREASING PIPELINE FLOW PERATING PRESSURE TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y- FOR CUSTODY TRANSFER MEETERING TYPE, 34-SAMSS-168, TRUCK  RE METERING TYPE, 34-SAMSS-167, TRUCK PIPELINE, 32-SAMSS-110, FOR METER, TRUCK LOADING, CORIOLIS METER PIPELINE, 32-SAMSS-711 INSTRUMENTATION and IT ROVER TYPE, 34-SAMSS-711 INSTRUMENTATION and IT ROVER TYPE, 34-SAMSS-716, ELECTRIC ACTUATOR INSTRUMENTATION and IT  ANY ACTION, 34-SAMSS-716, FOR INSTRUMENTATION and IT  TYPE, STAND-ALONE SUBMARINE INSTRUMENTATION and IT  TYPE, STAND-SEA, FOR GAS CUSTODY TRANSFER INSTRUMENTATION and IT  TYPE, STANDS-846, FOR GAS CUSTODY TRANSFER INSTRUMENTATION and IT  TYPE, STANDS-846, FOR GAS CUSTODY TRANSFER INSTRUMENTATION and IT  TODY TRANSFER CHIOMOTOGRAPHY, ANY INSTRUMENTATION and IT  TIPPE, STANDS-846, FOR GAS CUSTODY TRANSFER INSTRUMENTATION and IT  TIPPE, STANDS-846, FOR GAS CUSTODY TRANSFER INSTRUMENTATION AND IT  INSTRUMENTATION AND
5.0000007329   GUIDED WINE MADAR LEVEL TRANSMITTERS   GOWILLERS PRANSMITTERS   GOWILLERS PRANS	RING TYPE,INCLUDING POWER SUPPPLIES, FOR USE MENTS ONLY TYPE,ANY RANGE,34-SAMSS-634,FOR USE WITH Instrumentation and IT E, FOUNDATION FIELDBUS Instrumentation and IT Instrumentation a
	MENTS ONLY TYPE,ANY RANGE,34-SAMSS-634,FOR USE WITH Instrumentation and IT FOR PIPELINE,SAES-2-003,SYSTEMS USE VINTHIN A PIPELINE TO DETECT THE LEAK. FOR S) APPLICATIONS. WAVE (ACOUSTIC) TYPE,FOR RESSURE WAVE METHOD ANALYSES WHEN A LEAK OCCURS. FOR PIPELINE CATIONS. R PIPELINE,SAES-2-003, THE FIBER OPTIC CABLE FOR FIRE PRODUCTIVITY OF THE CABLE TO LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. R PIPELINE,SAES-2-003, THE FIBER OPTIC CABLE FOR HIPELINE, SAES-2-003, THE FIBER OPTIC CABLE FOR HIPELINE AND THE CONDUCTIVITY OF THE CABLE TO LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. CHEMICAL THAT IS COMPOSED OF AR WEIGHT POLYMERS SUSPENDED IN SPORTING-PIPELINE TO REDUCE PIPELINE ON THE PURPOSE OF INCREASING PIPELINE FOR HIP PURPOSE OF INCREASING PIPELINE REASER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y- OR CUSTODY TRANSFER MERS REINFORMCED WITH PIPS-1S, LIZE 4-1/2 IN -10-3/4 IN ER METERING TYPE, 34-SAMSS-168, TRUCK INSTRUMENTATION AND AND AND AND AND AND AND AND AND AN
	MENTS ONLY TYPE, ANY RANGE, 34-SAMSS-634, FOR USE WITH E, FOUNDATION FIELDBUS FOR PIPELINE, SAES-2-003, SYSTEMS USE W WITHIN A PIPELINE TO DETECT THE LEAK. FOR DS) APPLICATIONS. WAVE (ACOUSTIC) TYPE, FOR RESSURE WAVE METHOD ANALYSES WHEN A LEAK OCCURS. FOR PIPELINE CATIONS. R PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE TO WITHIN AND THE CONDUCTIVITY OF THE CABLE TO REAS RESURE WAVE METHOD ANALYSES WHEN A LEAK OCCURS. FOR PIPELINE CATIONS. R PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE TO WE LEAK DETECTION SYSTEM (PLOS) APPLICATIONS. CHEMICAL THAT IS COMPOSED OF AR WEIGHT POLYMERS SUSPENDED IN SOPORTING-PIPELINE TO REDUCE PIPELINE OR THE PURPOSE OF INCREASING PIPELINE FLOW PERATING PRESSURE MERS REINFORMCED WITH PLYS-1S, 12E 4-17 (IN -10-3)4 IN FOR CUSTODY TRANSFER MERS REINFORMCED WITH PLYS-1S, 12E 4-17 (IN -10-3)4 IN FOR METERING TYPE, 34-SAMSS-167, TRUCK PO METER, TRUCK LOADING, CORIOLIS METER WEITER, TRUCK LOADING, CORIOLIS METER TOROUTE TYPE, 34-SAMSS-113, FOR Instrumentation and IT ROVER TYPE, 34-SAMSS-110, FOR INSTRUMENTATION AND INSTRUMENTATION AND ITS ROVER TYPE, 34-SAMSS-110, FOR INSTRUMENTATION AND ITS
	E, FOUNDATION FIELDBUS E, FOR PIPELINE, SAES-Z-003, SYSTEMS USE W WITHIN A PIPELINE TO DETECT THE LEAK. FOR SID, APPLICATIONS. WAVE (ACOUSTIC) TYPE, FOR RESSURE WAVE METHOD ANALYSES WHEN A LEAK OCCURS. FOR PIPELINE CATIONS. R PIPELINE, SAES-Z-003, THE FIBER OPTIC CABLE TO WE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. CHEMICAL THAT IS COMPOSED OF AR WEIGHT POLYMERS SUSPENDED IN SOPORTING-PIPELINE TO REDUCE PIPELINE OR THE PURPOSE OF INCREASING PIPELINE INSTrumentation and IT INSTRUMENTATION PRESSURE MERS REINFORMICED WITH POLYMERS SUSPENDED IN SOPORTING-PIPELINE TO REDUCE PIPELINE OR THE PURPOSE OF INCREASING PIPELINE INSTRUMENTATION PRESSURE MERS REINFORMICED WITH INSTRUMENTATION PRESSURE MERS REINFORMICED WITH INSTRUMENTATION PRESSURE TRANSFER TYPE, ANY ANAISES METERING TYPE, 34-SAMSS-168, TRUCK PD METER, TRUCK LOADING, CORIOLIS METER PIPELS, LSIZE ANY, 34-SAMSS-119, FOR Instrumentation and IT INSTRUMENTATION AND A PROPERTY OF THE PROPERTY OF
	EFOR PIPELINE, SAES-Z-003, SYSTEMS USE  WWITHIN A PIPELINET TO DETECT THE LEAK. FOR SIS JAPPLICATIONS.  WANY (ACOUSTIC) TYPE, FOR SAESSURE WAVE METHOD ANALYSES  Instrumentation and IT Instrumentat
DETECTOR LEAK, NEGATIVE PRESSURE WAVE FACOUSTIC) PYPE-FOR	WAVE (ACOUSTIC) TYPE, FOR RESSURE WAVE METHOD ANALYSES WHEN A LEAK OCCURS. FOR PIPELINE CATIONS.  R PIPELINE, SAES-Z-003, THE FIBER OPTIC CABLE FOR LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.  R PIPELINE, SAES-Z-003, THE FIBER OPTIC CABLE FOR LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.  CHEMICAL THAT IS COMPOSED OF AR WEIGHT POLYMERS SUSPENDED IN SPORTING-PIPELINE TO REDUCE PIPELINE OR THE PURPOSE OF INCREASING PIPELINE FLOW PERATING PRESSURE TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y- ORO RUSTODY TRANSFER MERS REINFORMCED WITH PIP-15_LSIZE 4-1/Z IN -10-3/4 IN ER METERING TYPE, 34-SAMSS-168, TRUCK Instrumentation and IT ER METERING TYPE, 34-SAMSS-167, TRUCK PO METER, TRUCK LOADING, CORIOLIS METER PYPE, SIZE ANY, 34-SAMSS-119, FOR Instrumentation and IT Instrumentation and IT INSTRUMENTATION AND INTERPRETATION AND IT ROVER TYPE, 34-SAMSS-110, FOR EDIODE (EXTRACTIVE) N, ANY SUPPLY, ANY, SAES-1-605, SURGE, PILOT REQUIRED FOR COMPLEX RATE-OF-RISE OR Instrumentation and IT TYPE, STAND-ALONE SUBMARINE Instrumentation and IT INSTRUMENTATION AND INSTRUMENTATION AND IT TYPE, STAND-ALONE SUBMARINE Instrumentation and IT INSTRUMENTATION AND INSTRUMENTATION AND IT ODY TRANSFER CHROMOTOGRAPHY, ANY INSTRUMENTATION AND INSTRUMENTATION AND IT OPP, SA-SAMSS-846, FOR GAS CUSTODY TRANSFER INSTRUMENTATION AND IT INSTRUMENTATION A
SYNAMIC MATHOD ANALYSES THE HEAT/TEMP AND THE COMBICITY THE YEAR COURS. FOR PPENDE LEAR DETECTION SYSTEM (PLOS) APPLICATIONS.  SECTITE HEAR OCCURS. FOR PPENDE LEAR OF ETCOMES SYSTEM (PLOS) APPLICATIONS.  CHEMICAL ANY SAEP-SOLDRA IT IS A CHEMICAL THAT IS COMPOSED OF LONG CHAMBOS OF YETR HIGH MOLECULAR WISHERT POLYMERS SUSPENDED IN ALTER AND ANALYSES. PROCESSING PREMISE PRO	Instrumentation and IT  VELEAK DETECTION SYSTEM (PLDS) APPLICATIONS.  CHEMICAL THAT IS COMPOSED OF ARR WEIGHT POLYMERS SUSPENDED IN SPORTING-PIPELINE TO REDUCE PIPELINE OR THE PURPOSE OF INCREASING PIPELINE FRANSFER TYPE, ANY RANGE,34-SAMSS-321,SAES-Y- FOR CUSTODY TRANSFER MERS REINFORMCED WITH PIP-SL,SIZE 4-1/2 IN -10-3/4 IN  FER METERING TYPE,34-SAMSS-168,TRUCK PD METER, TRUCK LOADING, CORIOLIS METER VPE,SIZE ANY,34-SAMSS-119,FOR Instrumentation and IT PROVER TYPE,34-SAMSS-119,FOR Instrumentation and IT  ANY ACTION,34-SAMSS-711,FOR Instrumentation and IT INSTRUMENTATION INSTRUMENTATION INSTRUMENTATION AND INSTRUMENTATION AND IT EDIODE (EXTRACTIVE) N,ANY SUPPLY,ANY,SAES-J-605,SURGE, PILOT REQUIRED FOR COMPLEX RATE-OF-RISE OR INSTRUMENTATION AND IT TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER INSTRUMENTATION AND IT TODY TRANSFER CHROMOTOGRAPHY, ANY INSTRUMENTATION AND IT TODY TRANSFER CHROMOTOGRAPHY, ANY INSTRUMENTATION AND IT TODY TRANSFER CHROMOTOGRAPHY, ANY INSTRUMENTATION AND IT TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER INSTRUMENTATION AND IT TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER INSTRUMENTATION AND IT TODY TRANSFER CHROMOTOGRAPHY, ANY INSTRUMENTATION AND IT TODY TRANSFER LIQUID TYPE,34-SAMSS-846, FOR GAS CUSTODY TRANSFER INSTRUMENTATION AND IT TODY TRANSFER LIQUID TYPE,ANY,34-SAMSS- INSTRUMENTATION AND IT TINSTRUMENTATION
LONG CIANNS OF VERY HIGH MOLECULAR WEIGHT FOLYMERS SUSPENDED IN A CARRIER FILLUD USED IN FLUID TRANSPORTING PETILENT OR REDUCE PREUNE FIRCTIONAL LOSS SEX-PRESSURE DIGOP FOR THE PURPOSE OF INCREASING PPETINE FLOW RETAINING PREATURE PETINE PROCESSOR AND AREA AND ARE	AR WEIGHT POLYMERS SUSPENDED IN SPORTING-PIPELINE TO REDUCE PIPELINE OR THE PURPOSE OF INCREASING PIPELINE FLOW PERATING PRESSURE TRANSFER TYPE, ANY RANGE,34-SAMSS-321,SAES-Y- OR CUSTODY TRANSFER MERS REINFORMCED WITH API-51_SIZE 4-1/2 IN -10-3/4 IN FER METERING TYPE,34-SAMSS-168,TRUCK Instrumentation and IT FER METERING TYPE,34-SAMSS-167,TRUCK PD METER, TRUCK LOADING, CORIOLIS METER PROJECT ANY,34-SAMSS-11 FROVER TYPE,34-SAMSS-119,FOR Instrumentation and IT FROVER TYPE,34-SAMSS-711 Instrumentation and IT FROVER TYPE,34-SAMSS-716,ELECTRIC ACTUATOR GN EDIODE (EXTRACTIVE) N,ANY SUPPLY,ANY,SAES-J-605,SURGE, PILOT REQUIRED FOR COMPLEX RATE-OF-RISE OR Instrumentation and IT TYPE,STAND-ALONE SUBMARINE Instrumentation and IT TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER Instrumentation and IT INSTRUMENTATION AND INSTRUMENTATION AND INSTRUMENTATION AND IT TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER Instrumentation and IT INSTRUMENTATION AND INSTRUMENTATION INSTRUMENTATION AND IT TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER Instrumentation and IT INSTRUMENTATION AND INSTRUMENTATION AND IT TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER Instrumentation and IT INSTRUMENTATION AND IT TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER INSTRUMENTATION AND IT TYPE,34-
1.000003931   CUSTODY FANK GAUGING SYSTEMS, FALDAN   CASING OCT. THERMOSTETING POWERS REPROPENCED WITH   Instrumen   CASING OCT. THE CASING THE CASING OCT. THE CASING THE CASING OCT. THE CASING OCT. THE CASING THE CASING OCT. THE CASING THE CASING OCT.	Instrumentation and IT  API-5L,SIZE 4-1/2 IN -10-3/4 IN  INSTRUMENTATION AND IT  INSTRUMENTATION AND I
BIBRIGLASS_API_SER_AS_SAMS_500_API_SER_AT_2 IN 10.3/4 IN   Instrumen	API-5L,SIZE 4-1/2 IN -10-3/4 IN  FER METERING TYPE,34-SAMSS-168,TRUCK  Instrumentation and IT  FER METERING TYPE,34-SAMSS-168,TRUCK  PD METER, TRUCK LOADING, CORIOLIS METER  PM METER, TRUCK LOADING, CORIOLIS METER  Instrumentation and IT  Inst
65 600002856 VALVE; AUTOMATIC RECIRCULATION; SYSTEM. TRUCK LOADING, POS DISP UNICADADING, POS DISP SYSTEM. TRUCK LOADING, POS DISP CUSTODY TRANSFER METERING TYPE,34-SAMSS-167,TRUCK INSTRUMENT OF THE COMMON POS DISP SYSTEM. TRUCK LOADING, POS DISP SYSTEM, POS DISP SYSTEM	TER METERING TYPE,34-SAMSS-168,TRUCK  FER METERING TYPE,34-SAMSS-167,TRUCK  PD METER, TRUCK LOADING, CORIOLIS METER  PD METER, TRUCK LOADING, CORIOLIS METER  PO METER, TRUCK LOADING, CORIOLIS METER  PROVER TYPE,34-SAMSS-711  Instrumentation and IT  PROVER TYPE,34-SAMSS-119,FOR  Instrumentation and IT  Instrumentation
60 600009917 CUSTODY SYSTEM, TRUCK LOADING, POS DISP SYSTEM.METERING; CUSTODY TRANSFER METERING TPUE; 34-SAMS-167, TRUCK LOADING, POS DISP. TRUCK LOADING, CORDUS METER INSTRUMENT COMPONENT COMPONE	PD METER, TRUCK LOADING, CORIOLIS METER YPE,SIZE ANY,34-SAMSS-711 Instrumentation and IT PROVER TYPE,34-SAMSS-119,FOR Instrumentation and IT Instrumentation and
MALVER, AUTOMATIC RECIRCULATION;   VALVE; AUTOMATIC RECIRCULATION;   VALVE; AUTOMATIC RECIRCULATION TYPE, SIZE ANY, 34-SAMSS-711   Instrument	PYPE,SIZE ANY,34-SAMSS-711 PROVER TYPE,34-SAMSS-119,FOR Instrumentation and IT PROVER TYPE,34-SAMSS-716,ELECTRIC ACTUATOR Instrumentation and IT Instrumentation
65 600001821 ACTUATOR: VALVE; ELECTRIC FAILSAFE POR OPERATING VALVE, FAILSAFE DESIGN Instrumen 66 6000013921 ANALYZER, Proc Photometer/Spectrometer POR OPERATING VALVE, FAILSAFE DESIGN INSTRUMEN 67 6000012803 VALVE, RELIEF; SURGE PILOT OPERATED POR ANALYZER; ANY RANGE, 34-SAMSS-515, PROCESS PHOTOMETERS AND SPECTROMETERS INSTRUMENT VALVE, FAILSAFE DESIGN INSTRUMENT VALVE, FAILSAFE DESIGN INSTRUMENT VALVE, FAILSAFE DESIGN INSTRUMENT VALVE, FAILSAFE DESIGN INSTRUMENT SPECTROMETERS INCLUDING TUNABLE DIODE (EXTRACTIVE) Instrument VALVE RELIEF; SUZE ANY, ANY END CONN. ANY SUPPLY, ANY, SAES-J-605, SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX ART-OF-RISE OR Instrument MODULATING VALVES. 68 6000014631 CABLE: SUBMARINE FIBER OPTIC ABILE; SUZE ANY, ANY END CONN. ANY SUPPLY, ANY, SAES-J-605, SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX ART-OF-RISE OR Instrument MODULATING VALVES. 69 6000003893 CUSTODY AUTOMATIC SAMPLING, LIQUID SAMPLER; CUSTODY TRANSFER TYPE, 34-SAMS-3-25 Instrument BER OPTICAL CABLE TYPE, SAES AND ALONE SUBMARINE BER OPTICAL CABLE TYPE, SAES AND A	ANY ACTION,34-SAMSS-716,ELECTRIC ACTUATOR GN ,PROCESS PHOTOMETERS AND E DIODE (EXTRACTIVE) N,ANY SUPPLY,ANY,SAES-J-605,SURGE, PILOT REQUIRED FOR COMPLEX RATE-OF-RISE OR  TYPE,STAND-ALONE SUBMARINE Instrumentation and IT  4-SAMSS-525 Instrumentation and IT
ACTUATOR VALVE; ELECTRIC FAILSAFE FOR OPERATING VALVE, ELECTRIC, SIZE ANY, ANY ACTION, 34-SAMSS-716, ELECTRIC ACTUATOR Instrumen  ANALYZER, Proc Photometer/Spectrometer SPECTROMETERS INCLUDING TUNABLE DIODE (EXTRACTIVE)  ANALYZER, Proc Photometer/Spectrometer SPECTROMETERS INCLUDING TUNABLE DIODE (EXTRACTIVE)  ANALYZER, Proc Photometer/Spectrometer SPECTROMETERS INCLUDING TUNABLE DIODE (EXTRACTIVE)  ANALYZER, ANY RANGE, 34-SAMSS-515, PROCESS PHOTOMETERS AND SPECTROMETERS INCLUDING TUNABLE DIODE (EXTRACTIVE)  ANALYZER, ANY RANGE, 34-SAMSS-516, SURGE, PILOT  OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR Instrumen  MODULATING VALVES.  ABLE: SUBMARINE FIBER OPTIC  ABLE: SUBMARINE FIBER OPTIC CABLE TYPE, STAND-ALONE SUBMARINE  BER OPTICAL CABLE; SYAMSS-006  BERS OPTICAL CABLE; SYAMSS-006  ASMPLER, CUSTODY TRANSFER LIQUID TYPE, 34-SAMSS-525  CUSTODY SUSTODY DENSITY METER, LIQUID  ABLE: SUBMARINE FIBER OPTIC CABLE TYPE, 34-SAMSS-525  CUSTODY CHROMATIC SAMPLING, LIQUID  ABLE: SUBMARINE FIBER OPTIC CABLE TYPE, 34-SAMSS-525  CUSTODY CHROMATIC SAMPLING, LIQUID  ABTER DENSITY, CUSTODY TRANSFER LIQUID TYPE, 34-SAMSS-510  Instrumen  TO 6000009893  CUSTODY CHROMATOGRAPH, GAS OR LIQUID  CHROMATOGRAPH PROCESS; FOR CUSTODY TRANSFER CHROMOTOGRAPHY, ANY  CUSTODY FLOW COMPUTER, LIQUID, FIELD-MNT  COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrumen  TO SO00009902  CUSTODY FLOW COMPUTER, LIQUID, FIELD-MNT  COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrumen  ANALYZER; PHYSICAL PROPERTY TYPE, ANY SAMSS-841, 34-SAMSS-846, FOR LIQUID  AND GAS CUSTODY TRANSFER  ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, (EXAMPLE: BOILING  ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, (EXAMPLE: BOILING  ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, (EXAMPLE: BOILING  FREEZE POINT, OCTANE, AND VISCOSITY)  Instrumen  TO SO00009881  CUSTODY METER, FURBINE,	Instrumentation and IT  S,PROCESS PHOTOMETERS AND E DIODE (EXTRACTIVE)  N,ANY SUPPLY,ANY,SAES-J-605,SURGE, PILOT REQUIRED FOR COMPLEX RATE-OF-RISE OR  Instrumentation and IT  TYPE,STAND-ALONE SUBMARINE  Instrumentation and IT
ANALYZER, Proc Photometer/Spectrometer SPECTROMETERS INCLUDING TUNABLE DIODE (EXTRACTIVE)  ANALYZER, Proc Photometer/Spectrometer SPECTROMETERS INCLUDING TUNABLE DIODE (EXTRACTIVE)  ANALYZER, PROC Photometer/Spectrometer  VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPPLY, ANY, SAES-J-605, SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES.  ABLE; SUBMARINE FIBER OPTIC ABLE; SUBMARINE FIBER OPTIC BERG OPTICAL CABLE, 18-SAMS-5006  SO00008893 CUSTODY AUTOMATIC SAMPLING, LIQUID SAMPLER, CUSTODY TRANSFER LIQUID TYPE, 34-SAMS-525 Instrumen  OCHROMATOGRAPH PROCESS; FOR CUSTODY TRANSFER CHROMOTOGRAPHY, ANY ETETEORY CARRIE, 19-SAMS-510  CHROMATOGRAPH PROCESS; FOR CUSTODY TRANSFER CHROMOTOGRAPHY, ANY DETECTOR, ANY CARRIER, 34-SAMS-5510  CUSTODY FLOW COMPUTER, GAS, PANEL-MNTD  COMPUTER FLOW; PANEL MOUNTED TYPE, 34-SAMS-846, FOR GAS CUSTODY TRANSFER  OCO0009901 CUSTODY FLOW COMPUTER, GAS, PANEL-MNTD  COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMS-846, FOR GAS CUSTODY TRANSFER  Instrumen  AND GAS CUSTODY FLOW COMPUTER, GAS, FIELD MOUNTD  COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMS-846, FOR GAS CUSTODY TRANSFER  Instrumen  ANALYZER, PHYSICAL PROPERTY TYPE, AND SAMS-846, FOR GAS CUSTODY TRANSFER  Instrumen  ANALYZER, PHYSICAL PROPERTY TYPE, AND SAMS-846, FOR GAS CUSTODY TRANSFER  Instrumen  ANALYZER, PHYSICAL PROPERTY TYPE, ANY RAMSE, (EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANLE, AND VISCOSITY )  Instrumen  FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMS-117  Instrumen  6000009831 CUSTODY METER, POS DISPL, LIQUID  FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMS-117  Instrumen  73 6000009831 CUSTODY METER, POS DISPL, LIQUID  FLOWMETER, FOR CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMS-117  Instrumen  74 6000009832 CUSTODY METER, POS DISPL, LIQUID  FLOWMETER, FOR CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMS-117  Instrumen  75 6000009831 CUSTODY METER, POS DISPL, LIQUID  FLOWME	Instrumentation and IT EDIODE (EXTRACTIVE) N,ANY SUPPLY,ANY,SAES-J-605,SURGE, PILOT REQUIRED FOR COMPLEX RATE-OF-RISE OR  Instrumentation and IT  TYPE,STAND-ALONE SUBMARINE Instrumentation and IT Instrument
VALVE, RELIEF; SURGE PILOT OPERATED  VALVE, RELIEF; SURGE OPICA CARLE, SURGE OPICA  VALVE, RELIEF; SURGE PILOT OPERATED  VALVE, RELIEF; SURGE OF ILOT OPERATED  VALVE RELIEF; SURGE CANY, ANY SEASON, SURGE, PILOT  OPERATED TYPE, ANY SANDS-SUBMARINE FIBER OPTIC CABLE TYPE, SALSAMDS-SUBMARINE  Instrumen  VALVE RELIEF; SURGE OR SURGED AND AND AND SUCCESSTY OP TRANSFER CHROMOTOGRAPHY, ANY DISTORY TRANSFER  Instrumen  TO 6000009901 CUSTODY FLOW COMPUTER, GAS, PANEL-MINTD  COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrumen  TO 6000014021 Analyzer; Physical Property  POINT, FLASH POINT, POUR POINT, CEPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTAME, AND VISCOSITY )  Instrumen  TO 600000981 CUSTODY METER, POS DISPL, LIQUID  FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-117  Instrumen  TO 600000981 CUSTODY METER, POS DISPL, LIQUID  FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-117  Instru	N,ANY SUPPLY,ANY,SAES-J-605,SURGE, PILOT REQUIRED FOR COMPLEX RATE-OF-RISE OR  Instrumentation and IT  TYPE,STAND-ALONE SUBMARINE  Instrumentation and IT  A-SAMSS-525  Instrumentation and IT
68 600014631 CABLE: SUBMARINE FIBER OPTIC INSTRUMENT 69 600009893 CUSTODY AUTOMATIC SAMPLING, LIQUID SAMPLER; CUSTODY TRANSFER TYPE, 34-SAMSS-006 70 600009895 CUSTODY DENSITY METER, LIQUID METER DENSITY; CUSTODY TRANSFER TYPE, 34-SAMSS-525 INSTRUMENT 71 6000009898 CUSTODY CHROMATOGRAPH, GAS OR LIQUID CHROMATOGRAPH PROCESS; FOR CUSTODY TRANSFER CHROMOTOGRAPHY, ANY DETECTOR, ANY CARRIER, 34-SAMSS-510 72 6000009900 CUSTODY FLOW COMPUTER, GAS, PANEL-MNTD COMPUTER FLOW; PANEL MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER INSTRUMENT 73 6000009901 CUSTODY FLOW COMPUTER, GAS, PANEL-MNTD COMPUTER FLOW; PANEL MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER INSTRUMENT 74 6000009902 CUSTODY FLOW COMPUTER, GAS, FIELD MOUNTD COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER INSTRUMENT 75 6000014021 Analyzer; Physical Property ANALYZER, PHYSICAL PROPERTY TYPE, ANY RANGE, (EXAMPLE: BOILING POINT, FLASH POINT, COTANE, AND VISCOSITY) 76 6000009831 CUSTODY METER, TURBINE, LIQUID FLOWMETER TLOWIN, POINT, COTANE, AND VISCOSITY) 77 6000009832 CUSTODY METER, TORBINE, LIQUID FLOWMETER PLOWING DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-117 78 600000990 CUSTODY METER, TORBINE, LIQUID FLOWMETER PLOWING POINT, COTANE, AND VISCOSITY) 79 600000981 CUSTODY METER, TORBINE, LIQUID FLOWMETER PLOSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-118 79 600000980 CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-110 Instrument PLOWMETER; FOR CUSTODY TRANSFER, 34-SAMSS-321, CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-110 Instrument PLOWMETER; SUZE ANY, ANY SUPPLY, ANY, SAES-J-605, SURGE GAS LOADED TYPE, P. 79 6000009801 CUSTODY METER, FOUNDATION FIELDBUS (FF) TYPE, SAES-J-904, AA MULTI-INPUT TEMPERATURE 80 6000013000 Multiplexer; Foundation Fieldbus (FF) MULTI-INPUT TEMPERATURE 81 6000013000 Multiplexer; Foundation Fieldbus (FF)	4-SAMSS-525 Instrumentation and IT IQUID TYPE,34-SAMSS-510 TODY TRANSFER CHROMOTOGRAPHY, ANY 10 Instrumentation and IT Instrumentation an
69 600009893 CUSTODY AUTOMATIC SAMPLING, LIQUID  6000009895 CUSTODY DENSITY METER, LIQUID  6000009896 CUSTODY CHROMATOGRAPH, GAS OR LIQUID  71 6000009898 CUSTODY CHROMATOGRAPH, GAS OR LIQUID  72 6000009900 CUSTODY FLOW COMPUTER, GAS, PANEL-MNTD  73 6000009901 CUSTODY FLOW COMPUTER, LIQUID, FIELD-MNT  74 6000009902 CUSTODY FLOW COMPUTER, LIQUID, FIELD-MNT  75 6000014021 Analyzer; Physical Property  76 6000009831 CUSTODY METER, TURBINE, LIQUID  77 6000009831 CUSTODY METER, TURBINE, LIQUID  78 6000009831 CUSTODY METER, TURBINE, LIQUID  79 6000009831 CUSTODY METER, TURBINE, LIQUID  79 6000009831 CUSTODY METER, POS DISPL, LIQUID  79 6000009881 Custody Management System, Radar  79 6000009881 Custody Management System, Radar  79 6000009881 Custody Meter, Multi-Path, Ultrasonic Liquid  80 600002896 VALVE; RELIEF; SURGE GAS LOADED  70 MULTIPLEXER, FOUNDATION FIELDBUS (FF) TYPE, SAES-J-904,AA  Multi-INPUT TEMPERATURE  SAMPLER; CUSTODY TRANSFER TYPE,34-SAMSS-510  Instrument CHROMATOGRAPHY, ANY  CHROMATOGRAPH PROCESS; FOR CUSTODY TRANSFER CHROMOTOGRAPHY, ANY  DETECTOR, ANY CARRIER, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrument CHROMATOGRAPHY, ANY  COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrument CHROMATOGRAPHY, ANY  ANALYZER; PHYSICAL PROPERTY TYPE,ANY RANGE,(EXAMPLE: BOILING  POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT,  FREEZE POINT, OCTANE, AND VISCOSITY)  FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117  Instrument COMPUTER; FOR CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117  Instrument COMPUTER; FOR CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-118  COMPUTER; FOR CUSTODY TRANSFER, LIQUID TYPE,CUSTODY TRANSFER LIQUID Instrument COMPUTER; FOR CUSTODY TRANSFER LIQUID TYPE,CUSTODY TRANSFER LIQUID Instrument COMPUTER; FOR CUSTODY TRANSFER LIQUID TYPE,CUSTODY TRANSFER LIQUID Instrument COMPUTER; FOUNDATION FIELDBUS (FF) TYPE,SAES-J-904,AA  MULTI-INPUT TEMPERATURE	INSTRUMENTATION INSTRUMENTATIO
CHROMATOGRAPH, GAS OR LIQUID CHROMATOGRAPH, GAS OR LIQUID CHROMATOGRAPH PROCESS; FOR CUSTODY TRANSFER CHROMOTOGRAPHY, ANY DETECTOR, ANY CARRIER, 34-SAMSS-510  CUSTODY FLOW COMPUTER, GAS, PANEL-MNTD COMPUTER FLOW; PANEL MOUNTED TYPE,34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrumen  COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-846, FOR GAS CUSTODY TRANSFER  COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-846, FOR GAS CUSTODY TRANSFER  COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrumen  ANALYZER; PHYSICAL PROPERTY TYPE,ANY RANGE,(EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSITY)  COMPUTER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117  Instrumen  FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117  Instrumen  COMPUTER FLOW; FIELD MOUNTED TYPE,AY, RANGE,(EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSITY)  FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117  Instrumen  COMPUTER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117  Instrumen  COMPUTER; FOR CUSTODY TRANSFER, 34-SAMSS-321,CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-118  COMPUTER; FOR CUSTODY TRANSFER,34-SAMSS-321,CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-118  Instrumen  COMPUTER; FOR CUSTODY TRANSFER,34-SAMSS-321,CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-118  Instrumen  COMPUTER; FOR CUSTODY TRANSFER,34-SAMSS-321,CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-118  Instrumen  COMPUTER; FOR CUSTODY TRANSFER LIQUID TYPE,CUSTODY TRANSFER LIQUID TYPE,ANY,ANY,ANS,ASS-1-605,SURGE GAS LOADED  CUSTODY METER, SURGE GAS LOADED  CUSTODY METER, SURGE GAS LOADED  CUSTODY TRANSFER LIQUID TYPE,ANY,ANY,SASS-1-605,SURGE GAS LOADED  CUSTODY TRANSFER  COMPUTER; FOUNDATION FIELDBUS (FF) TYPE,SAES-I-904,AA  MULTI-INPUT TEMPERATURE	TODY TRANSFER CHROMOTOGRAPHY, ANY  Instrumentation and IT  YPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER  Instrumentation and IT
DETECTOR, ANY CARRIER, 34-SAMSS-510  DETECTOR, ANY CARRIER, 34-SAMSS-510  DETECTOR, ANY CARRIER, 34-SAMSS-510  DETECTOR, ANY CARRIER, 34-SAMSS-510  COMPUTER FLOW; PANEL MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrument AND GAS CUSTODY FLOW COMPUTER, LIQUID, FIELD-MNT  COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMSS-841, 34-SAMSS-846, FOR LIQUID AND GAS CUSTODY TRANSFER  COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER  COMPUTER FLOW; FIELD MOUNTED TYPE, 34-SAMSS-846, FOR GAS CUSTODY TRANSFER  Instrument ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, (EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, FLASH POINT, POUR POINT, CTPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSITY)  FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-117  Instrument FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-118  COMPUTER; FOR CUSTODY TRANSFER, 34-SAMSS-321, CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-118  COMPUTER; FOR CUSTODY TRANSFER, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	Instrumentation and IT  YPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER  Instrumentation and IT
COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-841, 34-SAMSS-846, FOR LIQUID AND GAS CUSTODY TRANSFER  COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-846, FOR GAS CUSTODY TRANSFER Instrument Computer Flow; Field Mounted Type,34-SAMSS-846, FOR GAS CUSTODY TRANSFER Instrument Computer Flow; Field Mounted Type,34-SAMSS-846, FOR GAS CUSTODY TRANSFER Instrument ANALYZER; Physical Property Point, Flash Point, Pour Point, Crpp, RvP, Color, Cloud Point, Freeze Point, Octane, And Viscosity)  Custody Meter, Turbine, Liquid Flowmetter Turbine; Custody Transfer Liquid Type,Any,34-SAMSS-117 Instrument Custody Transfer Liquid Type,Any,34-SAMSS-118  Computer Flow; Field Mounted Type,34-SAMSS-846, FOR Liquid Point, Crpp, RvP, Color, Cloud Point, Crpp, RvP, Color, Cloud Point, Freeze Point, Octane, And Viscosity)  Flowmetter Turbine; Custody Transfer Liquid Type,Any,34-SAMSS-117 Instrument Custody Transfer Liquid Type,Any,34-SAMSS-118  Computer; For Custody Transfer, 34-SAMSS-321,Custody Tank Management System, Radar Computer; For Custody Transfer, Radar System, Radar Custody Meter, Multi-Path, Ultrasonic Liquid Flowmetter; Custody Transfer Liquid Type,Custody Transfer Liquid Instrument Type.#  Computer; Foundation Fieldbus (FF) Multi-Plexer; Foundation Fieldbus (FF) Type, Saes-J-904,AA Multi-Input Temperature	Instrumentation and IT
AND GAS CUSTODY FLOW COMPUTER, LIQUID, FIELD-MNT AND GAS CUSTODY TRANSFER  74 6000009902 CUSTODY FLOW COMPUTER, GAS, FIELD MOUNTD COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER Instrumen  75 6000014021 Analyzer; Physical Property Physical Property Print, FLASH POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSITY)  76 6000009831 CUSTODY METER, TURBINE, LIQUID FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117 Instrumen  77 6000009832 CUSTODY METER, POS DISPL, LIQUID  78 6000009909 Custody Tank Management System, Radar  79 6000009881 Custody Meter, Multi-Path, Ultrasonic Liquid FLOWMETER; CUSTODY TRANSFER, 34-SAMSS-321, CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-  80 6000009881 Custody Meter, Multi-Path, Ultrasonic Liquid FLOWMETER; CUSTODY TRANSFER LIQUID TYPE,CUSTODY TRANSFER LIQUID Instrumen  80 6000002896 VALVE; RELIEF; SURGE GAS LOADED TYPE.#  81 6000013000 Multiplexer; Foundation Fieldbus (FF)  MULTIPLEXER; FOUNDATION FIELDBUS (FF) TYPE,SAES-J-904,AA MULTI-INPUT TEMPERATURE	Instrumentation and IT
ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, (EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSITY)  76 600009831 CUSTODY METER, TURBINE, LIQUID 77 600009832 CUSTODY METER, POS DISPL, LIQUID 78 600009999 Custody Tank Management System, Radar 79 600009881 Custody Tank Management System, Radar 79 600009881 Custody Meter, Multi-Path, Ultrasonic Liquid 80 600002896 VALVE; RELIEF; SURGE GAS LOADED 81 6000013000 Multiplexer; Foundation Fieldbus (FF) 82 MANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, (EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSITY) FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-117 Instrument Computers, FOR CUSTODY TRANSFER, 34-SAMSS-321, CUSTODY TANK MANAGEMENT SYSTEM, RADAR 80 FOR CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER LIQUID 80 FLOWMETER; CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER LIQUID 81 FLOWMETER; SIZE ANY, ANY END CONN, ANY SUPPLY, ANY, SAES-J-605, SURGE GAS LOADED 82 TYPE.# 83 Multiplexer; Foundation Fieldbus (FF) 84 MULTI-INPUT TEMPERATURE 85 Instrument Instrumen	ANY RANGE, (EXAMPLE: BOILING PP, RVP, COLOR, CLOUD POINT, Y)  NSFER LIQUID TYPE, ANY, 34-SAMSS-117 Instrumentation and IT T; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS- Instrumentation and IT  S4-SAMSS-321, CUSTODY TANK MANAGEMENT Instrumentation and IT  UID TYPE, CUSTODY TRANSFER LIQUID N, ANY SUPPLY, ANY, SAES-J-605, SURGE GAS LOADED Instrumentation and IT  S (FF) TYPE, SAES-J-904, AA Instrumentation and IT  DES CONTROLLER Others
75 6000014021 Analyzer; Physical Property POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, Instrument FREEZE POINT, OCTANE, AND VISCOSITY)  76 6000009831 CUSTODY METER, TURBINE, LIQUID FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-117 Instrument FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-118  78 6000009909 Custody Tank Management System, Radar COMPUTER; FOR CUSTODY TRANSFER, 34-SAMSS-321, CUSTODY TANK MANAGEMENT SYSTEM, RADAR  79 6000009881 Custody Meter, Multi-Path, Ultrasonic Liquid FLOWMETER; CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER LIQUID Instrument VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPPLY, ANY, SAES-J-605, SURGE GAS LOADED TYPE.#  81 6000013000 Multiplexer; Foundation Fieldbus (FF) MULTI-INPUT TEMPERATURE	PP, RVP, COLOR, CLOUD POINT, Y)  NSFER LIQUID TYPE,ANY,34-SAMSS-117 Instrumentation and IT T; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-  Instrumentation and IT
FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS- Instrumen  78 600009909 Custody Tank Management System, Radar  79 6000009881 Custody Meter, Multi-Path, Ultrasonic Liquid FLOWMETER; CUSTODY TRANSFER LIQUID TYPE,CUSTODY TRANSFER LIQUID  80 600002896 VALVE; RELIEF; SURGE GAS LOADED VALVE; RELIEF; SURGE GAS LOADED  81 6000013000 Multiplexer; Foundation Fieldbus (FF)  MULTI-INPUT TEMPERATURE  FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS- Instrumen  COMPUTER; FOR CUSTODY TRANSFER,34-SAMSS-321,CUSTODY TANK MANAGEMENT SYSTEM, RADAR  Instrumen  VALVE RELIEF; SUZE ANY,ANY END CONN, ANY SUPPLY,ANY,SAES-J-605,SURGE GAS LOADED MULTI-INPUT TEMPERATURE  Instrumen  MULTI-INPUT TEMPERATURE	Instrumentation and IT  34-SAMSS-321,CUSTODY TANK MANAGEMENT  UID TYPE,CUSTODY TRANSFER LIQUID  N, ANY SUPPLY,ANY,SAES-J-605,SURGE GAS LOADED  S (FF) TYPE,SAES-J-904,AA  Instrumentation and IT  Others
77 6000009832 CUSTODY METER, POS DISPL, LIQUID  118  COMPUTER; FOR CUSTODY TRANSFER,34-SAMSS-321,CUSTODY TANK MANAGEMENT  COMPUTER; FOR CUSTODY TRANSFER,34-SAMSS-321,CUSTODY TANK MANAGEMENT  COMPUTER; FOR CUSTODY TRANSFER,34-SAMSS-321,CUSTODY TANK MANAGEMENT  Instrumen  SYSTEM, RADAR  FLOWMETER; CUSTODY TRANSFER LIQUID TYPE,CUSTODY TRANSFER LIQUID  Instrumen  VALVE; RELIEF; SURGE GAS LOADED  VALVE; RELIEF; SURGE GAS LOADED  Multiplexer; Foundation Fieldbus (FF)  MULTIPLEXER; FOUNDATION FIELDBUS (FF) TYPE,SAES-J-904,AA  MULTI-INPUT TEMPERATURE  MULTI-INPUT TEMPERATURE	Instrumentation and IT  34-SAMSS-321,CUSTODY TANK MANAGEMENT  UID TYPE,CUSTODY TRANSFER LIQUID  N, ANY SUPPLY,ANY,SAES-J-605,SURGE GAS LOADED  Instrumentation and IT  Instrumentation and IT  Instrumentation and IT  Instrumentation and IT  Others
78 6000009909 Custody Tank Management System, Radar  79 6000009881 Custody Meter, Multi-Path, Ultrasonic Liquid FLOWMETER; CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER LIQUID Instrumen  80 600002896 VALVE; RELIEF; SURGE GAS LOADED VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPPLY, ANY, SAES-J-605, SURGE GAS LOADED Instrumen  81 6000013000 Multiplexer; Foundation Fieldbus (FF) MULTI-INPUT TEMPERATURE  NULTI-INPUT TEMPERATURE	UID TYPE,CUSTODY TRANSFER LIQUID  N, ANY SUPPLY,ANY,SAES-J-605,SURGE GAS LOADED  Instrumentation and IT  Others
79 6000009881 Custody Meter, Multi-Path, Ultrasonic Liquid FLOWMETER; CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER LIQUID Instrumen  80 600002896 VALVE; RELIEF; SURGE GAS LOADED VALVE; RELIEF; SURGE GAS LOADED TYPE.#  81 6000013000 Multiplexer; Foundation Fieldbus (FF) MULTI-INPUT TEMPERATURE  FLOWMETER; CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER LIQUID Instrumen  VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPPLY, ANY, SAES-J-605, SURGE GAS LOADED Instrumen  MULTI-INPUT TEMPERATURE	N, ANY SUPPLY,ANY,SAES-J-605,SURGE GAS LOADED Instrumentation and IT  S (FF) TYPE,SAES-J-904,AA Instrumentation and IT  DES CONTROLLER Others
80 6000002896 VALVE; RELIEF; SURGE GAS LOADED  TYPE.#  MULTIPLEXER; FOUNDATION FIELDBUS (FF) TYPE,SAES-J-904,AA  Multiplexer; Foundation Fieldbus (FF)  MULTI-INPUT TEMPERATURE	Instrumentation and IT  S (FF) TYPE,SAES-J-904,AA  Instrumentation and IT  DES CONTROLLER  Others
81 6000013000 Multiplexer; Foundation Fieldbus (FF) MULTI-INPUT TEMPERATURE	DES CONTROLLER Others
	DIC PROTECTION TYPE FOR IMPRESSED CURRENT Others
83 600000943 ANODE; BACKFILL CARBON MATERIAL, ICCP, CP ANODE; S CINED CARBON BACKFILL HODIC PROTECTION TYPE, FOR IMPRESSED CURRENT OF	- I - I - I - I - I - I - I - I - I - I

84	6000016831	FIRE AND GAS DAMPER (OFFSHORE)	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 TOEACH 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.#	Others
85	6000014911	SEPARATOR; AIR AND DIRT	SEPARATOR; SEPARATOR, AIR AND DIRT TYPE, ASME SECTION VIII,	Others
86	6000013337	HOOD; FUME, COMMERCIAL COOKING	DIVISION 1 HOOD; FUME, COMMERCIAL COOKING TYPE, ANSI/ASHRAE 154	Others
87	6000013337	HEATER; DUCT; ELECTRIC;	HEATER DUCT; ELECTRIC ELEMENT, ANY	Others
			HUMIDIFIER; ELECTRIC, GAS, OR HOT WATER COMMERCIAL/INDUSTRIAL	
88	6000014524	HUMIDIFIER: HVAC; DUCTED	TYPE,ANY,110 VAC-460 VAC, 60 HZ,ANSI/AHRI-640,ANSI/AHRI-640 CERTIFICATE	Others
89	6000002419	Water Filter Media	FILTER; SAND BED TYPE,FOR WATER SERVICE, FILTER MEDIA,WATER,32-SAMSS-034,WATER FILTER MEDIA INCLUDING: SAND, ANTHRACITE, MANGANESE GREEN SAND, BERM, GARNET, GRAVEL (AS SUPPORTING LAYER). MERGE WITH 6000001776, 6000001777, 6000002510	Others
90	6000008555	Thermal & Electro-dialysis Desal Sys	DESALINATION; THERMAL & ELECTRO-DIALYSIS DESALINATION SYSTEMS TYPE, REVERSAL (EDR) EQUIPMENT	Others
91	6000008580	FILTER; MICRON FILTERS FOR WATER SERVICE	FILTER; WATER MEMBRANE FILTERS TYPE, MICRON FILTERS FOR WATER SERVICE CROSS-FLOW, DEAD-END CARTRIDGE FILTERS NOMINAL OR ABSOLUTE 1-100 MICRON. MATERIAL: STRING WOUND POLYPROPYLENE, PLEATED POLYPROPYLENE & POLYESTER, RESIN BONDED CELLULOSE, PVDF, POLYSULFONE. ULTRA FILTERS FOR WATER SERVICE CONFIGURATION: CROSS-FLOW SPIRAL WOUND, HOLLOW FIBER/CAPILLARY, PLATE-AND-FRAME POLYSULFONE, POLYETHERSULFONE. POLYACRYLONITRILE, CELLULOSE ACETATE. RATING: < 200 PSIG. CLASSIFICATION: WATER FILTRATION, MEMBRANE FILTRATION, CARTRIDGE FILTRATION. CONFIGURATION: MATERIAL: RATING: SIZE:	Others
92	6000014710	FLANGE; PIPE: CONNECTOR, MECHANICAL END	LANGE PIPE; CONNECTOR TYPE, ANY NPS, ANY, MECHANICAL END CONNECTORS	Others
93	6000000030	PIPE; NON-METALLIC; THERMOPLASTIC; CPVC;	PIPE NON-METALLIC; ANY NPS, CHLORINATED POLYVINYL CHLORIDE (CPVC),ISO 15877,ASTM F441,SOLID-WALL, MAXIMUM TEMPERATURE IS 82 C HOT AND COLD WATER INSTALLATIONS AND FOR HEATING SYSTEM INSTALLATIONS SYSTEM. HOT AND COLD WATER INSTALLATIONS WITHIN BUILDINGS, WATER FOR HUMAN CONSUMPTION, WATER FOR HEATING SYSTEMS.# SSURIZED	Pipe & OCTG
94	6000014681	SERVICE: WET -TYPE COMPOSITE REPAIR EXT.	SERVICE; WET-TYPE THERMOSET COMPOSITE FIBER REINFORCED OMPOSITE TYPE, SAEP-345, ASME-PCC2 ISO 24817, USE FOR WATER, HYDROCARBON, CHEMICALS PLANT PIPING AND PIPELINES. SUITABLE FOR EXTERNAL CORROSION UP TO 80 PERCENT METAL LOSS. FOR PLANT PIPING AND FITTINGS, IT SHALL BE UTILIZED AS A TEMPORARY REPAIR WITH A PRIOR APPROVAL FROM NONMETALLIC SCC.	Pipe & OCTG
95	6000003901	PUP JOINT: OCTG STEEL, SEAMLESS	PUP JOINT OCTG; STEEL,SEAMLESS,45-SAMSS-006,API-5CT,GR SPECIAL GR 95-125, H2S	Pipe & OCTG
96	6000003855	CASING: OCTG; API GR; SAW	SVCS & NON H2S,SIZE 4-1/2 IN - 16 IN,ANY END CONN,2 - 15 FEET LG  CASING OCTG; STEEL,SAW,45-SAMSS-006,API-5L,SIZE 26 IN. AND LARGER	Pipe & OCTG
97	6000003877	TUBING: OCTG; API GR; SEAMLESS	TUBING OCTG; STEEL, SEAMLESS, API-5C2, API-5B 45-SAMSS-006, SIZE ANY	Pipe & OCTG
98	6000007293	COUPLING: OCTG; HIGH NICKEL	COUPLING OCTG; HIGH NICKEL ALLOY STAINLESS STEEL, SEAMLESS, API-5CT, ISO-13680 45-SAMSS-006, GR UNS N08020 OR EQUIVALENT, SIZE ANY, PREMIUM THREAD END CONN, ANY LG, COLLAPSE TEST PER API WITH ONE SAMPLE TESTED PER 200 JOINTS OF MOTHER TUBE	Pipe & OCTG
99	6000007303	CASING: OCTG; HIGH NICKEL; SEAMLESS	CASING OCTG; HIGH NICKEL ALLOY STAINLESS STEEL, SEAMLESS, API-5CT, ISO-13680 45- SAMSS-006, GR UNS N08028 OR EQUIVALENT, SIZE ANY, PREMIUM THREAD END CONN, AA. COLLAPSE TEST PER API WITH AB. ONE SAMPLE TESTED PER 200 JOINTS	Pipe & OCTG
100	6000007305	CROSSOVER: OCTG; HIGH NICKEL	CROSSOVER; OCTG, HIGH NICKEL ALLOY STAINLESS STEEL, SEAMLESS TYPE, PREMIUM THREAD TERMINAL, API-5CT, ISO-13680 45-SAMSS-006, COLLAPSE TEST PER API WITH ONE SAMPLE TESTED PER 200 JOINTS OF MOTHER TUBE, GR UNS N08020 OR EQUIVALENT	Pipe & OCTG
101	6000007307	PUP JOINT: CASING OCSG; HIGH NICKEL	PUP JOINT OCTG; HIGH NICKEL ALLOY STAINLESSSTEEL, SEAMLESS, API-5CT, ISO-13680 45-SAMSS-006, GR UNS N08028 OR EQUIVALENT, SIZE ANY, PREMIUM THREAD END CONN, COLLAPSE TEST PER API WITH ONE SAMPLE TESTED PER 200 JOINTS OF MOTHER TUBE	Pipe & OCTG
102	600000049	PIPE; METALLIC; HFW CLASS B FOR NON SOUR	PIPE METALLIC; ALL SIZE NPS,ANY,STEEL,GR GRADE B THRU X70,HFW,API 5L,01-SAMSS-333,CLASS B,NON SOUR SERVICE	Pipe & OCTG
103	6000002481	TANK; FIBER GLASS; 32-SAMSS-002	TANK; ANY TYPE,ANY,FIBER GLASS,32-SAMSS-002  AIR HANDLING UNIT; AHU TYPE,CHILLED WATER OR DIRECT EXPANSION,ONSHORE ALL	Static Equipment
104	6000001821	AIR HANDLING UNIT; AHU; CHILLED WATER OR  AIR CONDITIONING UNIT; SELF CONTAINED; O	SIZES AND OFFSHORE LESS THAN 10 TONS COOLING, MANUFACTURER STANDARD  AIR CONDITIONING UNIT; SELF CONTAINED TYPE, (PACKAGED UNIT) CERTIFIED TO AHRI 340	Static Equipment Static Equipment
			AND UL 1995 STD  AIR CONDITIONING UNIT; PACKAGED UNIT TRAILERIZED TYPE, AIR COOLED, R-22 OR R-	
106	6000001823	AIR CONDITIONING UNIT; PACKAGED UNIT TRA	134A,MANUFACTURER STANDARD	Static Equipment

107	6000001826	A/C Unit,mini-split,DE below 5.5 Tons	AIR CONDITIONING UNIT; AIR CONDITIONING UNIT SPLIT TYPE, LESS THAN 5.5 TON COOLING TONNAGE, DIRECT EXPANSION TYPE, AHRI 210/240,UL-1995	Static Equipment
108	6000001862	A/C UNIT;SPLIT;DIRECT EXP,5.5 TO 63 TONS	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.	Static Equipment
109	6000001881	AIR CONDITIONING UNIT; AIRCONDIONING AND	AIR CONDITIONING UNIT; AIRCONDIONING AND PROCESS REFRIGERATION SYSTEMS TYPE,ONSHORE ALL SIZES, OFFSHORE LESS THAN 10 TONS. COOLING,AHRI-210/240 (< 5.5 TONS),AHRI,EXPLOSION PROOF	Static Equipment
110	6000013333	AIR CONDITIONING UNIT; SPLIT	AIR CONDITIONING UNIT; SPLIT TYPE, DIRECT EXPANSION, R-22 OR R-134A, ASHRAE-127, UL-1995, PRECISION COOLING FOR CONTROL, COMMUNICATION, AND DATA PROCESSING	Static Equipment
111	6000001838	CONTROLLER; PROGRAMMABLE LOGIC; ENERGY M	CONTROLLER PROGRAMMABLE LOGIC; ANY INPUT PT,ANY OUTPUT P,SAES-K-011,UL-916 ASHRAE 135,ENERGY MANAGEMENT SYSTEM: BUILDING	Static Equipment
112	6000012733	CHILLER: ABSORPTION; WATER COOLED	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.	Static Equipment
113	6000002515	SKID WATER DISINFECTION SYSTEMS	GENERATOR; WATER DISINFECTION TYPE,HYPOCHLORITE,WATER DISINFECTION SYSTEMS INCLUDING: HYPOCHLORINATION, CHLORINE SYSTEMS, CHLORINE DIOXIDE, BROMINE SYSTEMS, UV SYSTEMS, OZONE SYSTEMS, ANY OTHER DISINFECTING SYSTEMS. MERGE WITH 6000002517.	Static Equipment
114	600000097	JOINT; PIPE; EXPANSION; ANY METAL	JOINT EXPANSION; SIZE ANY, ANY LG, ASME B16.5	Static Equipment
115	600000134	SLEEVE; PIPE; TWO HALVES; BOLTED FLANGED	SLEEVE PIPE BOLTED; ANY NOM PIPE,STEEL,ANY WP,FOR PIPE REPAIR,FOR PIPE REPAIR	Static Equipment
116	600000150	TEE; PIPE, SPLIT TEE; HOT TAPPING; CS	TEE PIPE; ANY NPS,STEEL,EXTRUDED OR WELDED BRANCH, 02-SAMSS-006, SPLIT TEE, FLANGE WELDED TO BRANCH, FOR HOT TAPPING	Static Equipment
117	6000009264	JOINT, METAL TO METAL SEAL	COUPLING PIPE; METAL TO METAL (POSITIVE OR NEGATIVE) SEAL MECHANICAL TERMINAL,IN NPS,OY STEEL,MM (IN),PSI SUPPLY, M,GED MLESS UGHT,E URAL FINISH,ASME,ASME,(IN) (IN),ITIVE OR NEGATIVE ITIVE OR NEGATIVE JOINT; METAL TO METAL SEAL MECHANICAL TYPE,CS/ SS/ALLOY STEEL,(IN) (IN),ITIVE OR NEGATIVE ITIVE OR NEGATIVE	Static Equipment
118	6000014971	COUPLER:LPG LOADING,INCLUDE VAPOR	COUPLER; LPG LOADING TYPE,SIZE ALL SIZES,HARD PIPE TERMINAL,INCLUDE VAPOR AND BREAKAWAY COUPLERS,CONTACT CSD FOR DETAILS	Static Equipment
119	6000000296	VALVE; GATE; WEDGE OR DBL DISC; UP TO 12	VALVE GATE; SIZE UP TO NPS 12,ANY RATING, ALLENDS SUPPLY,CAST OR DUCTILE IRON BODY,04-SAMSS-035,AWWA,WITH OR WITHOUT ACTUATOR	Static Equipment
120	6000000315	VALVE; CHOKE; AUTOMATIC PLUG-AND-CAGE; H	VALVE CHOKE; PLUG-AND-CAGE SINGLE STAGE TRIM TYPE,UPTO 6 INCH MAXIMUM ORIFICE BODY,PR 10,000 PSI,FLANGED HUBBED OR BUTTWELD END CONN,STEEL BODY,04-SAMSS-055,ISO 10423,WITH OR WITHOUT ACTUATOR	Static Equipment
121	6000014491	VALVE; NPS 2 TO 20, COMPOSITE MATERIAL	VALVE; BUTTERFLY, BALL OR CHECK TYPE,SIZE NPS 2 THRU 20,ASME CLASS 150 & 300 SUPPLY,FLANGED END CONN,COMPOSITE (NON-METALLIC) BODY	Static Equipment
122	6000015604	VALVE;CHOKE;MS;UP TO 6 IN,2K-5KPSI,API6A	VALVE CHOKE; ANY BODY,UP TO 6 INCH MAX ORIFICE,PR 2000-5000 PSI SUPPLY,FLANGED HUBBED OR BUTTWELD END CONN,ANY BODY,MULTISTAGE TRIM,04-SAMSS-055,ISO 10423	Static Equipment
123	6000002879	SKID; DRYER, INSTRUMENT AIR & COMPRESSED	SKID; DRYER TYPE,32-SAMSS-038,INSTURMENT AIR & COMPRESSED GAS, PRESSURE VESSELS AND MAIN COMPONENTS TO BE SOURCED FROM APPROVED VENDORS PER THE APPLICABLE 9COMS AND SAMSS.	Static Equipment
124	6000011206	SKID; FILTRATION SYSTEM	SKID; 32-SAMSS-038,FILTRATION SYSTEM	Static Equipment
125	6000017260	SKID, NITROGEN; PRESSURE SWING ADSORPTIO	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