Gap ID	Material No.	Short Description	Long Description	Commodity
			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	
12126	6000016483	MUD SYSTEM	SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD	Chemicals
			SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER	
			BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER	
			CLEANING SYSTEM	
			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	
42427	6000016400		SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD	Chaminala
12127	6000016483	MUD SYSTEM	SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN	Chemicals
			FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER	
			BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER	
			CLEANING SYSTEM	
			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	
12128	6000016483	MUD SYSTEM	SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD	Chemicals
			SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN	
			FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER	
			BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM), SPACER	
			CLEANING SYSTEM	
			ADMIXTURE DRILLING MUD; ANY, DRILLING FLUIDS SYSTEM OR PRODUCT	
			USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR	
		0016483 MUD SYSTEM	SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD	
12129	6000016483		SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN	Chemicals
			FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER	
			BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER	
			CLEANING SYSTEM	
			ADMIXTURE DRILLING MUD; ANY, DRILLING FLUIDS SYSTEM OR PRODUCT	
		MUD SYSTEM	USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR	l
	6000016483		SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE	
			SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD	Chemicals
12130	6000016483		SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN	
			FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER	
			BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM), SPACER	
			CLEANING SYSTEM	
			ADMIXTURE DRILLING MUD; ANY, DRILLING FLUIDS SYSTEM OR PRODUCT	
	6000016483	MUD SYSTEM	USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR	1
			SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE	
12131			SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD	Chemicals
			SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN	
			FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER	
			BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM), SPACER	
			CLEANING SYSTEM	
			ADMIXTURE DRILLING MUD; ANY, DRILLING FLUIDS SYSTEM OR PRODUCT	
	6000016483	16483 MUD SYSTEM	USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE	
			SPECIAL APPLICATION TO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD	
12132			SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MOD SYSTEM , SHALE INHIBITION MUD SYSTEM , RESERVOIR DRILL-IN	Chemicals
	1		FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER	
			BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER	
			CLEANING SYSTEM	
	t		LUBRICANT FOR OBM ESTER-BASED LUBRICANT; LIQUID FORM,55 GAL (208 LITER) DRUM SHIPMENT	
	1000885304	000885304 LUBRICANT OBM	OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL.,ASTM D-92 FOR FLASH	
			POINT, SERVICE: USED TO IMPROVE LUBRICITY OF OIL-BASED MUD SYSTEMS, COMPOSITION: BLEND	
			OF POLYMERIC FATTY ACID ESTERS AND ESTERS, LUBRICANT FOR OBM-ESTER BASED: LIQUID BLEND	
			OF POLYMERIC FATTY ACID ESTER AND ESTER, USED TO IMPROVE LUBRICITY OF OIL-BASED MUD	
			SYSTEMS. IT REDUCES TORQUE AND DRAG, AND THE RISK OF DIFFERENTIAL STICKING IN	
			DEEP, TORTUOUS, HIGH ANGLE OR EXTENDED REACH WELLS. CHEMICAL AND PHYSICAL	
			SPECIFICATIONS: APPEARANCE: YELLOW TO AMBER-YELLOWISH BROWN LIQUID INSOLUBLE IN WATER	
			COMPATIBLE WITH NITRILE	
12175			ELASTOMERS FLASH POINT (CMOC): >428°F (220°C). SAUDI ARAMCO RESERVES THE RIGHT TO	Chemicals
			COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE	
			COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER	
	1		AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA)	
	1		AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE,	
			EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT	
			INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED	
	1		IN THIS MATERIAL IS NET VOLUME/WEIGHT.	
	1	1		1

12185	1000823699	THINNER OBM	THINNER/DISPERSANT-OBM CONDITIONER ADDITIVE DRILLING FLUID; LIQUID FORM, SULFONATE BLEND WITH FATTY ACID, FOR USED TO LOWER REHEOLOGICAL PROPERTIES OF OIL BASE FLUIDS., POLYOLEFIN/ORGANIC SULFONATE BLEND WITH FATTY ACID, 55 GALLON (208 LITER) DRUM. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL., THINNER/DISPERSANT-OIL-BASE MUD CONDITIONER: LIQUID POLYOLEFIN/ORGANIC SULFONATE BLEND WITH FATTY ACID DERIVATIVES USED TO LOWER RHEOLOGICAL PROPERTIES FOR OIL BASE FLUIDS. OTHER ASSOCIATED ELEMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSELY AFFECT FLUID PROPERTIES. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: DARK AMBER LIQUID SOLUBILITY: INSOLUBLE IN WATER SPECIFIC GRAVITY: 0.90 - 0.96 FLASH POINT (PMCC): > 212°F (100°C) SAUDI 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	Chemicals
		E F S N	SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS).UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT	
12204	1000827162	LIGNITE	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 CONTROL AGENT: BLACK POWDER 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 SPECIFICATIONS: APPEARANCE: BLACK POWDER SOLUBILITY: REQUIRES AN 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/F13 CRYSTALLINE SILCA, QUARTZ (5102): 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: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT.	Chemicals
12214	1001071292	1001071292	NON-EMULSIFIER SURFACTANT. ADDITIVE DRILLING FLUID; LIQUID NON-EMULSIFIER SURFACTANT FORM, NON-EMULSIFIER SURFACTANT, FOR LIQUID FORM, SURFACTANT DESIGNED AS NONEMULSIFIER ADDITIVE FOR ACIDIZING LIMESTONE, DOLOMITE AND SANSDTONE, OR FOR FRACTURE CLEANING TREATMENT LIQUID NON-IONINC WATER DISPERSING NON-EMULSIFIER SURFACTANT DESIGNED FOR APPLICATIONS IN CEMENTING, ACIDICING, WELL STIMMATION, AND FRACTURING. THE PRODUCT CAN ALSO BE USED AS TREATEMENT OF THE WELLBORE BEFORE DISPLACEMENT FROM OIL BASED MUDS TO WATER BASE, NON-EMULSIFIER SURFACTANT, 5 GAL PAIL, NET PRODUCT VOLUME OF 5 GAL, APPEARANCE: YELLOW LIQUID. SPECIFIC GRAVITY AT 68 DEG.F (20 DEG. C): 0.85-0.95. FLASH POINT: >86 DEG. F (30 DEG. C). NON-DEGRADABLE IN 15% HCL. 5 GAL PAIL(18.9 LITERS), NET PRODUCT VOLUME OF 5 GAL SAUDI ARANCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT.LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET MSDS. UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT.	Chemicals

HUGHES: CLEAR LIQUID CARBOXYLIC ACIDS WITH THE FORMULA OF CH3COOH, USED FOR ACIDIZING SOLUBLE CALCIUM CARBONATE PARTICLES, AFTER USING OBM, IN WELLBORE REMEDIATION AND CLEANUP PROCESS TO IMPROVE WELL PRODUCTIVTY. BAKER HUGHESM ICKO-WSAFA ACI SAP #1000811427), OHR-750 (SAP #1000811421), OHR-757 (SAP#1000811427), OHR-750 (SAP #1000811422), OHR-757 (SAP#1000811427), OHR-750 (SAP #1000811424), GLACIL ACETIC ACID (SAP #1000811427), OHR-750 (SAP #100811424), GLACIL ACETIC ACID (SAP #1000811427), OHR-750 (SAP #10080811424), GLACIL ACETIC ACID (SAP #100811427), OHR-750 (SAP #100811422), OHR-757 (COMPLEXENTINE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE COPOLYMER LATEX ADDITIVE PRILLING FLUID; LIQUID FORM, COPOLYMER LATEX, FOR ORGANIC COLLODAL MICRO-PARTICLES, DEFORMABLE, AND COMPRESSIBLE, FOR SEALING MICRO-FARTICLES AND MINIMIZE DIFERENTIL STICKING AND TO IMPROVE WELLBORE STABILITYCOPOLYMER LATEX WITH ORGANIC COLLODAL MICRO-PARTICLES DEI TORMANCO EXPORT PACKING MANUAL_ARGANIC COLLOIDAL MICRO-PARTICLES, DEFORMABLE, COMPRESSIBLE, FOR SEALING MICRO-FARTICLES AND MINIMIZE DIFFERENTIAL STICKING AND TO IMPROVE	RBONATE PARTICLES DF CH3COOH,275 VALVE CLOSED WITH G SCREW. INNER IE (HMWHDPE) ARGE OF ARGE OF Chemicals URE COMPLIANCE URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND SPLUE PORS TO FILTER CAKE AT HIGH
12224 100814795 ACETIC ACID > 99% ACETIC CACID > 99% ACETIC CACID > 99% ACETIC CACID > 99% MILESS SUPPORT THE INNEE SUPPORT THE UNIT SUBJECT ACTION SUBJECT PROVIDED ACID SUBJECT PROVIDED ACID PROVIDED AC	DF CH3COOH,275 VALVE CLOSED WITH G SCREW. INNER IE (HMWHDPE) ARGE OF ACETIC ACID-BAKER SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S FILUE PORES TO FILTER CAKE AT HIGH
12224 1000E14736 ACETIC ACID > 96% SERVIC MORE TOTE CONTAINER SPECING CONSULT FULLION WITH ALCOLOR WITH ALCOLOR WITH ALCOLOR WITH FULLION WITH ALCOLOR W	VALVE CLOSED WITH G SCREW. INNER IE (HMWHDPE) ARGE OF ACETIC ACID-BAKER SED FOR ACIDIZING WEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
12224 1008814796 ALETIC ADD > 86% Contrained should be find, waters in the number sequence investore i	G SCREW. INNER IE (HMWHDPE) ARGE OF ACETIC ACID-BAKER SED FOR ACIDIZING WEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
12224 1000814756 ALETIC ACID > 59% CONTAINER SIGULO BE HIGH MALECLAW WEICH, HIGH DENSTP POULTTIME (PLMANUNDE)) WEICHTRUSS IN RUM AUDICES, SPECALLY SHAPED TO TANKEN COMPLETE DISCHARGE OF CONTAINES JOILTO BE HIGH WEILDED GALVANUED TUBLIAR STELL GBD Status 12224 1000814756 ALETIC ACID > 59% MITH A LARGE PRIMAMENITY FIKED DENTIFICION PATE MOLEDED SUPPORT THE INNEE CONTAINER ADD ASSISTICTION PATE MOLEDED BOTTOM SHIP MACING DATA MARKE DISCHARGE PRILETS SHIPPORT THE INNEE CONTAINER ADD ASSISTICTION PATE MOLEDED BOTTOM SHIP MACKING DATA MARKE DISCHARGE PRILETS CHEMINANCE DISCHARGE PRILETS SHIPPORT THE INNEE CONTAINER ADD ASSISTICTION PATE MOLEDED BOTTOM SHIP MACKING DATA MARKE DISCHARGE PRILETS SHIPPORT THE INNEE CONTAINER ADD ASSISTICTION PATE MOLEDED BOTTOM SHIP MACKING DATA MARKE DISCHARGE PRILETS SHIPPORT THE INNEE CONTAINER ADD ASSISTICTION PATE MOLEDED BOTTOM SHIPPORT THE INNEE CONTAINER ADD ASSISTICTION PATE HIGHER DATA ADD ADD ADD ADD ADD ADD ADD ADD AD	ACETIC ACID-BAKER SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM INE-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
12224 100814776 ACTIC ACID > 90% CONTENTS OUTH CONTAINER MOULD BE REGID, VELODE GAMANEED THE ASIE OF CONTAINER MOULD BE REGID, VELODE GAMANEED THE ASIE SHOULD BE STELE AND HAVE AVX3 DEMANDED THE ASIE ASIE OF CONTAINER MOULD BE RESUST GAMANEED THE ASIE ASIE SHOULD BE STELE AND HAVE AVX3 DEMANDED THE ASIE ASIE SHOULD BE STELE AND HAVE AVX3 DEMANDED THE ASIE ASIE SHOULD BE STELE AND HAVE AVX3 DEMANDED THE ASIE SHOULD ASIE STELE ASIE SHOULD ASIE AND COMMENT AND HAVE AND ASIE AND COMMENT (CONTRACT) THE ASIE ASIE ASIE ASIE ASIE ASIE ASIE ASI	ARGE OF ACETIC ACID-BAKER SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S FILUE PORES TO FILTER CAKE AT HIGH
12224 100814796 ACETC ACID > 96% CONTENTS OUTRA CONTENTS OUTRA 12224 100814796 ACETC ACID > 96% BOTTOM SHILL SHOLD BE FRISTING GALVANIZED TUBULAR STELL GRID CH 12224 100814796 ACETC ACID > 96% BOTTOM SHILL SHOLD BE FRISTING GALVANIZED TUBULAR STELL GALS SHAPD TO SUPPORT THE INNER CONTAINER AND ADDRIVE OF PRODUCTS CH 12224 100814796 ACETC ACID > 96% BOTTOM TO SAUDI ARANGE DERSIDE GALVANIZED THE MONIL OF CHARGE ONLIGE CONTAINER AND ADDRIVE OF PRODUCTS CH 12224 100814796 ACETC ACID > 96% BOTTOM TO SAUDI ARANGE DERSIDE GALVANIZED THE MONIL OF CHARGE ONLIGE CONTAINER AND ADDRIVE ACID FRAMEWORD AND ADDRIVE ADDR	ACETIC ACID-BAKER SED FOR ACIDIZING WEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
12224 100814756 ACETIC ACID > 96% CONTAINER 3POULD BE RIGU, WELDBO ACINANGED TUBULAR STEL GRID NUME 12224 100814756 ACETIC ACID > 96% MUTH ACAGE PERAMMENTIFY PROD IDENTIFICATION MANUALDI STELL BASE SHAPED TO SUPPORTINE HINRIC CONTRAINERS. SHAPPENT OF PRODUCTS Chem 12224 1000814756 ACETIC ACID > 96% MUST CONTRAINER AND ASSIST TOTAL LINES. SHAPPENT OF PRODUCTS Chem 12224 1000814756 ACETIC ACID > 96% MUST CONTRAINER AND ASSIST TOTAL LINES. SHAPPENT OF ROPODUCTS Chem 12224 1000814757 CHEM MUST CONTRAINER AND ASSIST TOTAL LINES. SHAPPENT DISCOMENT ADARTICES. ATEL LINES SHAPPENT DISCOME REPRODIATIONA AND CHEMANIA AND C	SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
 100814796 ACETIC ACID > 95% 10081479 ACETIC ACID > 95% 10081479 ACETIC ACID > 95% 10081479 ACETIC ACID > 95% 10081472 1008	SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
12224 1000814796 ACETIC ACID > 90% BOTTOM SHELL, SHOULD BE PRESSED STINIES, SHIPMENT OF PRODUCTS 12224 1000814796 ACETIC ACID > 90% MUSIC STELLAND HAVE 4 MAX SAND SAST TOTAL DRAINAGE. ACID: MAXETIC ACID: BAKER HUGHES, CLARA LUQUID CARBOOXIC, ACIDS WITH THE FORMULA OF CHECOPULASION MAND ALCED CACID WASH ACETIC ACID: BAKER HUGHES, CLARA LUQUID CARBOOXIC, ACIDS WITH THE FORMULA OF CHECOPULASION AND CLEAAULP MODELS TO IMPROVE WILLBOOKE ENCODENTION AND CLEAAULP MODELS TO IMPROVE WILLBOOKE ENCODENTIALS, PINHER - 757 (SAPH000511242), NUR-757 (SAP H000511242), NUR-757 (SAPH000511242), NUR-757 (SAP H000511242), NUR-757 (SAPH000511243), NUR-759 (SAP H000511242), NUR-757 (SAPH000511243), NUR-759 (SAP H000511242), NUR-757 (SAPH000511243), NUR-759 (SAP H000511242), NUR-757 (SAPH000511243), NUR-759 (SAP H000511242), NUR-757 (SAPH000511243), NUR-757 (SAP H000511242), NUR-757 (SAPH000511243), NUR-757 (SAP H00051124), NUR-757 (SAPH000511243), NUR-757 (SAP H00051124), NUR-757 (SAPH00051124), NUR-757 (SAP H00051124), NUR-757 (SAPH00051124), NUR-757 (SAP H00051124), NUR-757 (SAPH00051124), NUR-757 (SAP H00051124), NUR-757 (SAPH00051124), NUR-7	SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
12224 100814796 ACETIC ACID > 90% SUPPORT THE INNER CONTAINER AND ASSIST ICTAL DRAINAGE. PALLETS 12224 100814796 ACETIC ACID > 90% MUST CONTORM TO SAUDI ARAMONALMICRO-WASH ACETIC ACID -BAKE MUST CONTORM TO SAUDI ARAMONALMICRO-WASH ACETIC ACID -BAKE MUST CONTORN TO SAUDI ARAMONALMICRO-WASH ACETIC ACID -BAKE MUST CONTORN TO SAUDI ARAMONALMICRO-WASH ACETIC ACID -BAKE MUST CONTORNO TO MURPOLY WELL PRODUCTIVITY. BAKER HUDBEN KINCEPO WASH ACETIC ACID - 90% Chem MUST CONTORNO TO SAUDI ARAMONALMICRO-WASH ACETIC ACID - 90% 12224 NEW YELL PRODUCTIVITY. BAKER HUDBEN KINCEPO WASH ACETIC ACID SUBJECT ACID - 90% SUBJECT ACID - 90% PRODUCTION CONSIST 20 F RIME-703 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 100001130), TTS 70 ENSURE COMPLIANCE COUNTING THE SAR 70 (SAP 1000 ESS 7008170, COUNTING TEST 70 (SAP 10001130), SAP 100081142), ORF 70 (SAP 100081142), ORF 70 (SAP 10001130), SAP 100081142), ORF 70 (SAP 10008174), ORF 70 (SAP 100001130), CONTON TO SAP 100081142), ORF 70 (SAP 10008174), ORF 70 (SAP 100001130), CONTON TO SAP 100081142), ORF 70 (SAP 1000010000000000000000000000000000000	SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
12224 SHOUD BS STEL AND HAVE MAYS ENTRES. SHIPMENT OF PRODUCTS 12224 NUST CONFORM VAYS ENTRES. SHIPMENT OF ANALOS ENTRE VASIO GAP ALCORD HAVE ENTRE VASIO HAVE ALCORD	SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
12224 100814796 ACETIC ACID > 56% MUST CONFORM TO SUDJ ARAMCO EXPORT PACKING MANUA_MICAC CHARTE ACTIONALY ACTIC ACID-SERIE GUIDEL CACIUM CARBOART WITH THE FORMULA OC CRESCOPE, USE OF AA DDIZING SULUEL CACIUM CARBOART PARTICLES, ATTER USING OBM, IN WELLBORE REMUDATION AND CLEANUP PARCEST ON IMPROVE WELL PRODUCTIVTY. BARE HAR MICLES MICE ON WARAN ACID SYSTEM CONSISTS OF PINME-781 (SAP HIODSE11427), OIHAR-C (SAP HIODSE11427), OIHAR-770 (SAP HIODSE11427), OIHAR C (SAP HIODSE11427), OIHAR-701 (SAP HIODSE11427), OIHAR C (SAP HIODSE11427), OIHAR C (SAP HIODSE11427), OIHAR-701 (SAP HIODSE11427), OIHAR C (SAP HIODSE11427), OIHAR C (SAP HIOLSE), OI	SED FOR ACIDIZING MEDIATION AND ASH ACID SYSTEM IME-770 (SAP 57 URE COMPLIANCE URE COMPLIANCE COPOLYMER LATEX ENT OF PRODUCTS DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
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	DIDAL MICRO- MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, ORGANIC COLLOIDAL MICRO-	MINIMIZE RANT TO SALTS AND S PLUG PORES TO FILTER CAKE AT HIGH
PARTICLES, DEFORMABLE,COMPRESSIBLE, FOR SEALING MARGEDIDATION CONTROL AND A CONTROL AN	RANT TO SALTS AND 5 PLUG PORES TO FILTER CAKE AT HIGH
DIFFERENTIAL STICKING AND TO IMPROVE WELLBORE STABILITY. IT IS HIGH TOLERANT TO SALTS AND	S PLUG PORES TO FILTER CAKE AT HIGH
MONOVALENT AND DIVALENT IONS, CAN IMPART FLUIDS LOSS CONTROL, IT DOES PLUG PORES TO	FILTER CAKE AT HIGH
REDUCE PERMEABILITY OF FILTER CAKE AND OVERTIME IT FORMS A FILM IN THE FILTER CAKE AT HIGH	
TEMPERATURES FOR	
STRENGTHENING THE WELLBORE. IT IS USED IN HIGH PERFORMANCE	
WATER-BASED MUD (FRESH OR SALT WATER) AT BOTTOM HOLE TEMPERATURES UP TO 320 *F (160	
12244 1001038020 COPOLYMER LATEX °C). IT IS AN ALTERNATIVE FOR MAXSHIELD FROM BAKER HUGHES (SAP NO. 1000758663). CHEMICAL Chem	- Cnemicais
AND PHYSICAL SPECIFICATIONS: SPECIFIC GRAVITY @ 68 DEG F (20 DEG C): 1.01 – 1.02. (G/CC) PH: 3.6-	1.02. (G/CC) PH: 3.6-
7.5 SAUDI ARAMCO RESERVES THE RIGHT	
TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY	
TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND	
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TO THE MATERIAL SAFETY DATA SHEET (MSDS). "UOM REFERRED IN THIS MATERIAL IS NET	
VOLUME/WEIGHT.	
	REIS NET
13354 CHEMICAL; ANY, MATERIALS USED TO RECING FOAMING IN WATER BASED	
12254 600003963 Aluminum Stearate and/or Silicon base defoamer CHEMICAL; ANY,MATERIALS USED TO RECING FOAMING IN WATER BASED CHEMICAL; ANY MATERIALS USED TO RECING FOAMING IN ANY MATERIALS USED TO RECING FOAMING IN ANY MATERIALS USED TO RECING FOAM	Chemicals
12254 6000003963 Aiuminum Stearate and/or Silicon base detoamer MUD AND BRINE Chem Chem Chem Chem Chem Chem Chem Chem	Chemicals

12429	1000892841	CHEMICAL, POTASSIUM CARBONATE (K2CO3) 50	CHEMICAL; POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER,FOR USED AS AN ABSORBANT MEDIA IN GASEOUS PHASE PROCESS SYSTEMS,LIQUID FORM,BULK,POTASSIUM CARBONATE AND WATER,POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER,POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER IS USED AS AN ABSORBANT MEDIA IN GASEOUS PHASE PROCESS SYSTEMS	Chemicals
12439	1000178625	ADDITIVE: FUEL OIL, COLD FLOW FUEL	ADDITIVE; FUEL OIL TYPE,FOR COLD FLOW FUEL ADDITIVE,LIQUID FORM,BULK DELIVERY (20000 KG PER ISOTANK), ASHLESS POLYMERS DISSOLVED IN PETROLEUM DERIVED SOLVENT, ADDITIVE IS USED FOR MODIFYING WAX CRYSTALS IN FUELS TO REACH A DESIRED COLD TEST SPECIFICATIONS (CFPP). TREATMENT RATES RANGE BETWEEN 50 TO 500 PPM DEPENDING ON FUEL CHARACTERISTIC, FLASH POINT (PMC-B), 67 DEG. C	Chemicals
12449	1000184546	CHEMICAL: GR TECHNICAL, METHYL	CHEMICAL; GR TECHNICAL,METHYL ALCOHOL,FOR INDUSTRIAL,LIQUID FORM,BULK DELIVERY,SYNTHETIC,METHANOL (WOOD ALCOHOL),ASTM D1152,FED SPEC O-M-232G GRADE A, UN 1230,REQUIRES SAUDI ARAMCO HAZCOM LABEL IN MM# 1000642494	Chemicals
12458	1000959459	CHEMICAL, GT GRADE, METHYLDIETHANOLAMINE	CHEMICAL; GR GT GRADE,METHYLDIETHANOLAMINE,FOR GAS TREATMENT AGENT,LIQUID FORM,ISO TANK,2,2-(METHYLIMINO) DIETHANOL N-METHYLDIETHANOLAMINE > 99 %, 2-METHYLAMINOETHANOL N-METHYL-2-ETHANOLAMINE < 0.5%,MDEA,COLORLESS, ODOR: AMMONIACAL, PH: 10.4, BOILING POINT (760 MMHG): 247.3 C, VAPOR PRESSURE < 0.01 KPA AT 20 C, VAPOR DENSITY (AIR = 1): 4.1, SPECIFIC GRAVITY (H2O = 1): 1.041 AT 20 C. MDEA IS CAPABLE OF UNDERGOING REACTIONS TYPICAL OF BOTH ALCOHOLS AND AMINES, FORMING QUATERNARY AMINE SALTS, SOAPS, AND ESTERS. THIS MAKES MDEA A USEFUL INTERMEDIATE IN THE SYNTHESIS OF NUMEROUS PRODUCTS, AND HAS RESULTED IN ITS USE IN MANY DIVERSE AREAS, INCLUDING COATINGS, TEXTILE LUBRICANTS, POLISHES, DETERGENTS, PESTICIDES, PERSONAL CARE PRODUCTS, AND PHARMACEUTICALS.	Chemicals
12469	1000775823	CLAUS CATALYST, TITANIUM DIOXIDE	CATALYST; TITANIUM DIOXIDE TYPE,FOR CLAUS SULFUR PLANTS,CYLINDRICAL EXTRUDATE 3-6 MM NOMINAL SIZE FORM,800-1100 KG (1763-2425 LB) SUING BAG, 140-200 KG (308-441 LB) DRUMS,TITANIUM DIOXIDE CLAUS CATALYST MAXIMISES HYDROLYSIS ACTIVITY FOR COS AND C52, BULK DENSITY, LESS THAN OR EQUAL TO 700 - 1100 KG/M3 (43 - 69 LBS/CU FT), TOTAL PORE VOLUME 0.40 - 0.60 CM3/GRAM, CRUSH STRENGTH MEASURED ON NOT LESS THAN 50 BALLS SHOULD BE GREATER THAN OR EQUAL TO 14 KG , SURFACE AREA 100-260 M2/GRAM, USED IN CLAUS SULFUR REACTORS (CONVERTERS) IN GAS PLANTS& REFINERIES	Chemicals
12480	1000179350	CATALYST: ACTIVATED ALUMINA, CLAUS	CATALYST; ACTIVATED ALUMINA TYPE,FOR CLAUS CATALYST, 3-6 MM, FOR SULFUR REACTOR,SOLID SPHERE FORM,800-1000 KG (1763-2204 LB) SLING BAG,DENSITY LESS THAN OR EQUAL TO 705 K G/CU DENSITY LESS THAN OR EQUAL TO 705 KG/CU M (44LB5/CU FT) REQUIRES SAUDI ARMCO HAZCOM LABEL IN MM# 1000644267	Chemicals
12490	1000179380	CATALYST: ACTIVATED ALUMINA, CLAUS	CATALYST; ACTIVATED ALUMINA TYPE,FOR CLAUS CATALYST,5-10 MM FORM,836.9-918.5 KG (1845-2025 LB) SLING BAG,FOR 1/4 TO 3/8 IN NOM SIZE, BULK DENSITY, LESS THAN OR EQUAL TO 705 KG/CU M (44 LBS/CU TI) MACRO POROSITY GREATER THAN OR EQUAL TO 0.14 CM3/GRAM, CRUSH STRENGTH MEASURED ON NOT LESS THAN 50 BALLS SHOULD BE GREATER THAN OR EQUAL TO 45 LBS' SURFACE AREA GREATER THAN OR EQUAL TO 320 M2/GRAM REQUIRES SAUDI ARAMCO HAZCOM LABEL IN MM# 1000644267	Chemicals
12500	1000183985		CATALYST; CHEMICAL TYPE,FOR PROCESS,POWDER FORM,120 KG/DRUM,COMMON NAME - VANADIUM PENTOXIDE, 99.60% MIN, LOW ALKALI, MELTING POINT 690 DEG C COMPOSITION - A1203-0.006%, CUO-0.005% SPEC PACKING CODE 844405 APPLIES REQUIRES SAUDI ARAMCO HAZCOM LABEL IN MM# 1000644289	Chemicals
12511	6000016190	CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE	CATALYST; ANY TYPE,CATALYST, CLAUS: FOR SULFUR PLANT AND TAIL GAS TREATING. CONVENTIONAL TYPE NORMALLY ACTIVATED ALUMINA,TITANIA OXIDE OR ALUMINA/TITANIA COMPOSITE TO PROMOTE CLAUS REACTION REACT H2S WITH SO2 TO PRODUCE SULFUR, OR HYDROLYSIS TYPE TO HYDROLYZE COS AND CS2 BACK TO H2S. TGT USED FOR REDUCTION OF TAIL GAS SO2 AND S TO H2S AND HYDROLYZE CS2 AND COS TO H2S USUALLY COBALT-MOLYBDENUM BASED CATALYST.	Chemicals
12521	6000016190	CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE	CATALYST; ANY TYPE,CATALYST, CLAUS: FOR SULFUR PLANT AND TAIL GAS TREATING. CONVENTIONAL TYPE NORMALLY ACTIVATED ALUMINA, TITANIA OXIDE OR ALUMINA/TITANIA COMPOSITE TO PROMOTE CLAUS REACTION REACT H2S WITH SO2 TO PRODUCE SULFUR, OR HYDROLYSIS TYPE TO HYDROLYZE COS AND CS2 BACK TO H2S. TGT USED FOR REDUCTION OF TAIL GAS SO2 AND S TO H2S AND HYDROLYZE CS2 AND COS TO H2S USUALLY COBALT-MOLYBDENUM BASED CATALYST.	Chemicals
12537	6000001816	SOLVENT, METHYLDIETHANOLAMINE (MDEA)-BAS	ABSORBENT; ANY TYPE,ANY FORM,SOLVENT: FOR GAS AND NGL SWEETENING. INCLUDES CHEMICAL, PHYSICAL, HYBRID GENERIC AMINES OR PROPRIETARY CHEMICALS FOR SELECTIVE OR NON-SELECTIVE REMOVAL OF H2S, CO2, COS,CS2 OR RSH FROM SOUR HYDROCARBON.	Chemicals
12538	6000001816	SOLVENT, METHYLDIETHANOLAMINE (MDEA)-BAS	ABSORBENT; ANY TYPE,ANY FORM,SOLVENT: FOR GAS AND NGL SWEETENING. INCLUDES CHEMICAL, PHYSICAL, HYBRID GENERIC AMINES OR PROPRIETARY CHEMICALS FOR SELECTIVE OR NON-SELECTIVE REMOVAL OF H2S, CO2, COS,CS2 OR RSH FROM SOUR HYDROCARBON.	Chemicals
12553	6000001790	SOLID DESICCANT: DEHYDRATION GAS/LIQ HC	DESICCANT; SOLID DESICCANT TYPE,GR ANY,SOLID DESICCANT: TO REMOVE WATER FROM GAS OR LIQUID HYDROCARBON BY ADSORPTION. USUALLY ALUMINA BASED, MOLECULAR SIEVE, ACTIVATED ALUMINA OR SILICA GEL.	Chemicals
12563	6000016171		ABSORBENT; ANY TYPE,ANY FORM,ADSORBENT: FOR REMOVAL OF MERCURY, MERCAPTANS, HYDROCARBON (BTEX) OR VOLATILE ORGANIC COMPOUND FROM NATURAL GAS, HYDROCARBON CONDENSATE, LPG, NATURAL GASOLINE AND NAPHTHA AND WATER. IT INCLUDES ACTIVATED CARBON, SULFUR/POTASSIUM IODIDE IMPREGNATED CARBON, METAL SULFIDE OR METAL OXIDE.	Chemicals

	1			
12573	6000017151	OIL, HEAT TRANSFER FLUID	OIL; HEATING TYPE,HEAT TRANSFER FLUID, (HEATING OIL OR HOT OIL),SYNTHETIC OR MINERAL BASE, FOR HYDROCARBON PROCESSING, LOW TEMPRATURE & HIGH TEMPERATURE HEAT TRANSFER FLUID SYSTEMS, USED AS HEAT TRNASFER SYSTEM	Chemicals
12583	600003973	Sized metamorphic Marble 2	CHEMICAL; ANY,MATERIALS USED TO PREVENT OR CURE LOSS CIRCULATION OR AS BRIDGING MATERIALS IN WATER BASED MUD, OIL BASED MUD AND BRINE.	Chemicals
11949	6000004047	Isolation packer expandable	PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS	Drilling Equipment
11525	6000010711	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS	EQUALIZER; ANY TYPE,EQUALIZER	Drilling Equipment
11535	6000004065	PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER	PACKER PRODUCTION; PERMANENT TYPE,FOR H2S,WIRELINE SET AND HYDRAULIC SET ACTIVATI,ANY OD,ANY CONNECTN,KHUFF	Drilling Equipment
11545	6000010715	Tracer Subs system (3-1/2" & 4-1/2")	PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	Drilling Equipment
11556	6000015783	KIT,7",VALVE+GRV PACKER+SEAL+MFIV	VALVE; ANY TYPE, SIZE ANY, ISOLATION VALVES AND ACCESSORIES	Drilling Equipment
11966	6000004055	13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer"	COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE,FOR CEMENTING TOOLS (DV),MULTI STAGE	Drilling Equipment
11977	6000010705	VALVE,ICV,3-1/2",NVAM,9.2#,13CR,HCM-A	ACCESSORY; ANY TYPE, SMART COMPLETION, ACCESSORIES, VARIOUS	Drilling Equipment
11989	000000000	Wellhead Equipment MSG 6000, 6100, 6200, 6300	Wellhead Equipment	Drilling Equipment
12031	6000010715	Tracer Subs system (3-1/2" & 4-1/2")	PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	Drilling Equipment
12032	6000010715	Tracer Subs system (3-1/2" & 4-1/2")	PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	Drilling Equipment
12033	6000010715	Tracer Subs system (3-1/2" & 4-1/2")	PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	Drilling Equipment
12034	6000010715	Tracer Subs system (3-1/2" & 4-1/2")	PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	Drilling Equipment
12035	6000010715	Tracer Subs system (3-1/2" & 4-1/2")	PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	Drilling Equipment
12036	6000010715	Tracer Subs system (3-1/2" & 4-1/2")	PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	Drilling Equipment
11032	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
11041	6000015510	ANODE;GALVANIC,HIGH TEMPERATURE ZINC,CP	ANODE GALVANIC; HIGH TEMPERATURE ZINC,17-SAMSS-006,CATHODIC	Electrical
11042	6000015510	ANODE;GALVANIC,HIGH TEMPERATURE ZINC,CP	ANODE GALVANIC; HIGH TEMPERATURE ZINC,17-SAMSS-006,CATHODIC	Electrical
			ANODE GALVANIC; MAGNESIUM,17-SAMSS-006,CATHODIC PROTECTION LARGE	
11053	6000012790	ANODE: GALVANIC, MAGNESIUM,CP	SIZE CYLINDRICAL, FOR OFFSHORE APPLICATION	Electrical
	1		BOX ELECTRICAL; CATHODIC PROTECTION UNDERGROUND ANODE BED	1
			JUNCTION BOX TYPE,SIZE 2500CM3 (MINIMUM),CYLINDRICAL OR BOX	
			SHAPE,12X16MM2 AND 2X70MM2 CONNECTN,12+2 TERMINAL SCREW LUG	
11062	6000012080	BOX: JUNCTION, FOR U/G ANODE BED,CP	COONECTN, FOR WEATHERPROOF (DIRECT BURIAL), NON-CLASSIFIED, NON-METALLIC SUITABLE FOR	Electrical
			DIRECT BURIAL AND IMMERSION SERVICE IN AMBIENT TEMPERATURE SEAWATER, OPTIONAL	
			FINISH, OPTIONAL THK, 17-SAMSS-008 'JUNCTION BOX FOR CATHODIC PROTECTION', MEMBRANE	
			GLANDS & FILLER/ SEALING COMPOUND SUITABLE FOR DIRECT BURIAL AND IMMERSION SERVICE IN	
			AMBIENT TEMPERATURE SEAWATE	
11071	6000001011	POWER SUPPLY;ELECTRICAL;SOLAR,CP	POWER SUPPLY ELECTRICAL; CATHODIC PROTECTION POWER PLY ELECTRICAL SOLAR POWER	Electrical
			TYPE,ANY POWER,ANY,17-SAMSS-012	
11082	600000957	CABLE;ELECTRICAL, CP, OFFSHORE ANODE	CABLE ELECTRICAL; ANY SUPPLY,ANY CONDUCTO,ORED HODIC PROTECTION OFFSHORE TYPE,POWER TYPE,17-SAMSS-017,ARMORED	Electrical
11094	6000001040	ANODE GALVANIC;MAGNESIUM,WITHOUT LEAD,CP	ANODE GALVANIC; MAGNESIUM, 17-SAMSS-006, CATHODIC PROTECTION	Electrical
11051	000001010		WITHOUT LEADS	Licethear
11567	6000015902	UNIT; MOBILE SUBSTATION	TMSS-1,31-TMSS-2,32-TMSS-3,51-TMSS-1,37-TMSS-1 TMSS-03,11-SDMS-03,54-TMSS-1,MOBILE SUBSTATION AS PER ATTACHED TECHNICAL SPECIFICATION, BASED ON SEC STANDARDS.#SCOPE INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: ENGINEERING, DESIGN, MANUFACTURING, ASSEMBLING, FACTORY TESTING, DELIVERY TO KSA, MINISTRY OF TRANSPORT APPROVAL, DOCUMENTATION,#SPARE PARTS CATALOGUE, SUPPLY OF CRITICAL SPARE PARTS FOR COMMISSIONING, SITE PRE-COMMISSIONING.#	Electrical
11577	6000016594	CAPACITOR BANK	UNIT; SHUNT CAPACITOR TYPE,43-TMSS-01,SAES-P-116,POWER FACTOR CORRECTION CAPACITOR	Electrical
11587	600000919	SWITCHGEAR; LV CONTROLGEAR, FIREWATER PU	BANK 4.16KV THROUGH 380KV SWITCHGEAR; CONTROLGEAR,FIREWATER PUMP TYPE,ANY BIL,UL-218,LOW	Electrical
11597		SWITCHGEAR; HV CONTROLGEAR, FIREWATER PU	VOLTAGE,OUTDOOR SWITCHGEAR; CONTROLGEAR,FIREWATER PUMP TYPE,ANY BIL,UL-218,HIGH VOLTAGE,OUTDOOR	Electrical
11607	600000903	SWITCH; DISCONNECT; HIGH VOLTAGE;	SWITCH DISCONNECT; HIGH VOLTAGE, ANY ACTION, ELECTRICAL TYPE, 30-TMSS-01	Electrical
11617	6000016991	UNIT; MOBILE SUBSTATION; 69KV AND BELOW	UNIT; MOBILE SUBSTATION TYPE, OPERATING AT 69KV AND BELOW	Electrical
11623	600000774	TRAY; CABLE, FIBERGLASS	TRAY; CABLE TYPE,FIBERGLASS,NEMA FG-1,S-P-104 SEC. 9	Electrical
11634	600000841	CIRCUIT BREAKER; AIR; 480 V; LOW VOLTAGE	CIRCUIT BREAKER AIR; ANY POLE,480 V,LOW VOLTAGE POWER TYPE,FRAME ANY,40 DEG C AMBIENT,FOR INDOOR,16-SAMSS-502	Electrical
11643	600000999	FORM-WOUND BRUSHLESS SYNCH. MOTOR	MOTOR SYNCHRONOUS; 500 HP MINIMUM POWER,4000 V MINIMUM,3 PHASE PHASE,HORIZONTAL MTG,17-SAMSS-520	Electrical
11653	600000803	CABLE,POWER,230 KV,L PRESSURE OIL FILLED	CABLE ELECTRICAL HIGH VOLTAGE; HIGH VOLTAGE SUPPLY,ANY CONDUCTO,PIPE OR SELF CONT OIL FILLED TYPE,HIGH MED OR LOW PRESSURE TYPE,AEIC CS9	Electrical
11663	600000929	CABLEBUS 16-SAMSS-520	BUS; SIZE ANY,CABLE,16-SAMSS-520	Electrical
11673	6000003728	PANEL; HYDRAULIC; SSV & SSSV	PANEL; HYDRAULIC, SSV & SSSV TYPE, HYDRAULIC, SSV SSSV, AC APPLICATIONS 34-SAMSS-624, 34- SAMSS-630	Electrical
11683	600000897	PANELBOARD,LOW VOLTAGE, EXPLOSIONPROOF	PANELBOARD ELECTRICAL; ANY BREAKER, LOW VOLTAGE, EXPLOSIONPROOF TYPE, ANY, 16-SAMSS-518	Electrical
11693	6000007258	RACK; SWITCHRACK;OUTDOOR;LOW VOLTAGE	RACK; SWITCHRACK,OUTDOOR,LOW VOLTAGE TYPE,16-SAMSS-512	Electrical
11032	0000007258		TRANSFORMER DISTRIBUTION; ANY POWER,60,ANY MTG,40 DEG C MAX	LICUIU
11703	600000765	TRANSFORMER; DISTRIBUTION; 60; 30 DEG C	AMB,CLASS OA,OIL INSUL,65 DEG C RISE,14-SAMSS-534,OVERHEAD RECTIFIER, TYPE CONSTANT VOLTAGE,TAP TYPE,17-SAMSS-004,FOR CATHODIC PROTECTION	Electrical
11723	6000011391	RECTIFIER; IMPRESSED CURRENT; 17-SAMSS-0		Electrical
11733	600000763	TRANSFORMER, POWER, DRY ABOVE 501 KVA	TRANSFORMER; ABOVE 501 KVA POWER, HIGH VOLT- DELTA , LOW VOLT - WYE TERMINAL,3 PHA55,60,DRY, POWER TYPE,14-SAMSS-533 DOWER SUBDLY LINNERPRINTED IN THE ADD/OF A DAYA AND TO 200 KVA	Electrical
11743	6000012042	UPS SYS ABOVE 10 TO 200KVA FOR IT & COMM	POWER SUPPLY UNINTERRUPTIBLE; ABOVE 10 KVA UP TO 200 KVA POWER,17-SAMSS-516,SAES-P-103,MANUFACTURER STANDARD PRODUCT, IT & COMMUNICATION PRODUCT RANGE	Electrical
12618	600000894	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
10999	600001014	CP,POWER SUPPLY;RECTIFIER;IMPRESSED CURR	RECTIFIER IMPRESSED CURRENT; HODIC PROTECTION SE CONTROL TYPE,ANY OUTPUT,17-SAMSS-005	Electrical

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11111	600000761	TRANSFORMER, DISTRIBUTION, PAD MOUNTED	TRANSFORMER DISTRIBUTION; ANY POWER,HV - DELTA, LV - WYE TERMINAL,3 PHASE,5 TAPS,60,PAD MTG,40 DEGREE C MAX AMB,CLASS OA,OIL INSUL,65 DEGREE C RISE,14-SAMSS-536	Electrical
11112	600000761	TRANSFORMER, DISTRIBUTION, PAD MOUNTED	TRANSFORMER DISTRIBUTION; ANY POWER,HV - DELTA, LV - WYE TERMINAL,3 PHASE,5 TAPS,60,PAD MTG,40 DEGREE C MAX AMB,CLASS OA,OIL INSUL,65 DEGREE C RISE,14-SAMSS-536	Electrical
11713	6000002725	ESD; ELECTRONIC; SOLID STATE	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
11752	600002786	MONITOR; GAS; HYDROGEN SULFIDE;	MONITOR GAS; HYDROGEN SULFIDE,ANY RANGE,34-SAMSS-514	Instrumentation and IT
11762	600001582	CONTROLLER; ELECTRONIC;COMPRESSOR	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS	Instrumentation and IT
11773	600002782	MONITOR; GAS; COMBUSTIBLE	MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514	Instrumentation and IT
11782	6000014614	CUSTODY TANK GAUGING SYSTEM, RADAR	GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR	Instrumentation and IT
11792	6000008342	UNIT: REMOTE TERMINAL TYPE	TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNIT; REMOTE TERMINAL TYPE,REMOTE TERMINAL,23-SAMSS-030	Instrumentation and IT
11800	6000009917	CUSTODY SYSTEM, TRUCK LOADING, POS DISP	SYSTEM:METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-167,TRUCK LOADING, POS DISP,	Instrumentation and IT
11800	6000002822	GAUGE; RADAR; TANK GAUGING;	TRUCK LOADING, PD METER, TRUCK LOADING, CORIOLIS METER GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK	Instrumentation and IT
			USE ONLY. SYSTEM:METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-168,TRUCK UNLOADING, POS	
11818	6000009918	CUSTODY SYS TRUCK UNLOADING, POS DISP	DISP	Instrumentation and IT
11828	600002787	MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP	MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY	Instrumentation and IT
11838	6000002689	CALIBRATION GAS CYLINDER FOR GAS MONITOR		Instrumentation and IT
11848	6000002764	INSTRUMENT; LEVEL; RADIATION TYPE	INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE	Instrumentation and IT
11858	6000014893	FIBER OPTIC SENSING PLDS	DETECTOR LEAK; FIBER OPTIC TYPE,FOR PIPELINE,SAES-Z-003,THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.	Instrumentation and IT
11868	6000012803	VALVE, RELIEF; SURGE PILOT OPERATED	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.	Instrumentation and IT
11878	6000009906	CUSTODY PRESET CONTROLLER, TRUCK LOADING	COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE,34-SAMSS-847,FOR TRUCK LOADING AND UNLOADING SYSTEMS	Instrumentation and IT
11888	6000001216	CABLE; COMMUNICATIONS; FIBER OPTIC	CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-625	Instrumentation and IT
11898	6000010821	ACTUATOR: VALVE; ELECTRIC FAILSAFE	ACTUATOR VALVE ELECTRIC; SIZE ANY, ANY ACTION, 34-SAMSS-716, ELECTRIC ACTUATOR FOR	Instrumentation and IT
			OPERATING VALVE, FAILSAFE DESIGN ANALYZER; GAS CHROMATOGRAPH TYPE,ANY RANGE,34-SAMSS-510,PROCESS GAS OR LIQUID	
11908 11918	6000002914 6000002886	ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS	GAUGE LEVEL; GLASS TYPE,34-SAMSS-010,WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS	Instrumentation and IT Instrumentation and IT
11918	000002880	GAOGE, LEVEL, GLASS	ASSEMBLY IF REQUIRED.	instrumentation and m
11927	6000014021	Analyzer; Physical Property	ANALYZER; PHYSICAL PROPERTY TYPE,ANY RANGE,(EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSITY)	Instrumentation and IT
11936	6000009890	CUSTODY PROVER, SMALL VOLUME, UNI PISTON	METER; UND PISTON(SMALL VOLUM) PROVER TYPE,34-SAMSS-119,FOR LIQUID CUSTODY TRANSFER	Instrumentation and IT
11952	6000009832	CUSTODY METER, POS DISPL , LIQUID	FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-118	Instrumentation and IT
12014	6000009881	Custody Meter, Multi-Path, Ultrasonic Liquid	FLOWMETER; CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER LIQUID	Instrumentation and IT
12054 12076	6000009893 6000009895	CUSTODY AUTOMATIC SAMPLING, LIQUID CUSTODY DENSITY METER, LIQUID	SAMPLER; CUSTODY TRANSFER TYPE,34-SAMSS-525 METER DENSITY; CUSTODY TRANSFER LIQUID TYPE,34-SAMSS-510	Instrumentation and IT Instrumentation and IT
12086	6000009898	CUSTODY CHROMATOGRAPH, GAS OR LIQUID	CHROMATOGRAPH PROCESS; FOR CUSTODY TRANSFER CHROMOTOGRAPHY,ANY DETECTOR,ANY	Instrumentation and IT
			CARRIER, 34-SAMSS-510 ANALYZER; ANY RANGE, 34-SAMSS-515, PROCESS PHOTOMETERS AND SPECTROMETERS INCLUDING	
12280	6000013921	ANALYZER, Proc Photometer/Spectrometer	TUNABLE DIODE (EXTRACTIVE)	Instrumentation and IT
12301	6000014890	REAL-TIME TRANSIENT MODEL PLDS	DETECTOR LEAK; RTTM METHODS TYPE,FOR PIPELINE,SAES-Z-003,SYSTEMS USE MATHEMATICAL MODELS OF THE FLOW WITHIN A PIPELINE TO DETECT THE LEAK. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.	Instrumentation and IT
12311	6000014891	ACOUSTIC PRESSURE WAVES PLDS	DETECTOR LEAK; NEGATIVE PRESSURE WAVE (ACOUSTIC) TYPE,FOR PIPELINE,SAES-Z-003,THE ACOUSTIC PRESSURE WAVE METHOD ANALYSES THE RAREFACTION WAVES PRODUCED WHEN A LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.	Instrumentation and IT
12321	600002732	MONITOR; FLAME MONITORING SYSTEM	MONITOR; IGNITERS AND BURNERS USED E MONITORING SYSTEM D IN FIRED EQUIPMENT. TYPE, ANY	Instrumentation and IT
12330	6000002856	VALVE; AUTOMATIC RECIRCULATION;	RANGE,34-SAMSS-617 VALVE; AUTOMATIC RECIRCULATION TYPE,SIZE ANY,34-SAMSS-711	Instrumentation and IT
12339	6000010782	CONTROLLER; SMART VALVE POSITION TYPE	CONTROLLER; SMART VALVE POSITION TYPE,ANY RANGE,34-SAMSS-634,FOR USE WITH EMERGENCY	Instrumentation and IT
12339	6000009901	CUSTODY FLOW COMPUTER, LIQUID, FIELD-MNT	SHUTDOWN VALVES. COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-841,34-SAMSS-846,FOR LIQUID AND GAS	Instrumentation and IT
12250	6000002896		CUSTODY TRANSFER VALVE RELIEF; SIZE ANY,ANY END CONN,ANY SUPPLY,ANY,SAES-J-605,SURGE GAS LOADED TYPE.	Instrumentation and IT
12359 12369	600002896	VALVE; RELIEF; SURGE GAS LOADED Multiplexer; Foundation Fieldbus (FF)	MULTIPLEXER; FOUNDATION FIELDBUS (FF) TYPE,SAES-J-904,AA MULTI-INPUT TEMPERATURE	Instrumentation and IT
			BLOCK; FOUNDATION FIELDBUS(FF) WIRING TYPE, INCLUDING POWER SUPPPLIES, FOR USE WITH	
12379	6000010781	FOUNDATION FIELDBUS (FF) BLOCKS	FOUNDATION FIELD-BUS INSTRUMENTS ONLY	Instrumentation and IT
12389	600002720	ANALYZER; DENSITY METER; GAS AND LIQUID	ANALYZER; DENSITY METER TYPE, ANY RANGE, 34-SAMSS-510, GAS AND LIQUID SERVICE	Instrumentation and IT
12399	600000221	TUBING; INSTRUMENTATION; METALLIC	TUBING; INSTRUMENTATION TYPE, STAINLESS STEEL OR NICKEL ALLOYS, ASTM A269, WITH SIZE 3/4 INCH (18 MM) OR SMALLER.	Instrumentation and IT
12409	6000009899	CUSTODY FLOW COMPUTER, LIQUID, PANEL-MNT	COMPUTER FLOW; PANEL MOUNTED TYPE,34-SAMSS-841,FOR LIQUID CUSTODY TRANSFER	Instrumentation and IT
12419	6000009831	CUSTODY METER, TURBINE, LIQUID	FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117 COIL; COIL, REFRIGERATION, HOT/CHILLED WATER APPLICATIONS TYPE,AHRI 410 CERTIFIED	Instrumentation and IT
10883	6000001829	COIL; REFRIGERATION;HVAC USE		Others
10901	600001846	HEATER; DUCT; ELECTRIC;	HEATER DUCT; ELECTRIC ELEMENT,ANY	Others

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10928	6000001882	AIR CONDITIONING UNIT; DIRECT EXPANSION;	AIR CONDITIONING UNIT; DIRECT EXPANSION TYPE,27-SAMSS-002,UL-1995 AHRI-210/240 (< 5.5 TON),AH,HVAC/REFRIGERATION:SYSTEMS FOR PROCESS AND OFFSHORE APPLICATIONS	Others
10945	6000013330	FILTER, AIR, CHEMICAL	FILTER; ANY TYPE,FOR AIR, CHEMICAL,ISA S71.04,ASTM-D6646 OR ASHRA	Others
10954	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
10971	6000008724	PRELIMINARY TREATMENT/SW SCREENING SYS	SCREEN; PRELIMINARY TREATMENT/SEAWA TER SCREENING SYSTEMS TYPE,WASTEWATER	Others
10979	6000012705	Oil Skimmer	UNIT; OIL SKIMMER TYPE,OIL/WATER-OIL SKIMMERS: A DRUM, DISK SURFACE OIL SKIMMER, OR DOUBLE ARM INTERNAL FLOAT OIL SKIMMER THAT REMOVES SURFACE OILS FLOATING ON OILY WATER RELY ONADHESION OF OIL TO THE SURFACE OF THE MECHANISM.	Others
10988	6000008555	Thermal & Electro-dialysis Desal Sys	DESALINATION; THERMAL & ELECTRO-DIALYSIS DESALINATION SYSTEMS TYPE, REVERSAL (EDR) EQUIPMENT	Others
11125	6000001310	HYDRANT FIRE; 5 IN INTEGRATED NOZZLE X 2-1/2 IN NPT (2 EA) MAIN	HYDRANT FIRE; 6 IN INLET, PR 200 PSI WP, UL OR/AND FM, COMPLYING WITH 21-SAMSS-15. WITH OR WITHOUT FIRE MONITOR FLANGE. WITH OR WITHOUT BREAKABLE FLANGE CHECK VALVE ASSEMBLY .FOR BREAKABLE FLANGE VALVE SEPARATELY. PURCHASE ORDER MUST SPECIFY THE OPTIONS AS PER 21-SAMSS-15.	Others
11132	6000001314	MONITOR; FIREFIGHTING, HYDRANT-MOUNTED TYPE, UL/FM	MONITOR; FIREFIGHTING, HYDRANT-MOUNTED TYPE,ANY RANGE,MEETING 21-SAMSS-16,INDUSTRIAL MONITOR SYSTEM, WILL BE INSTALLED ON#9COM 6000001310	Others
11139	600001331	BARRIER; FIRE STOPPING; MULTI-CABLE	BARRIER; FIRE STOPPING TYPE, BARRIERS, MULTI-CABLE TRANSIT SYSTEM INCLUDING PUTTY, MORTAR, PILLOWS, CAULKING, SEALANTS, TAPE, SPRAYS OR OTHER SYSTEMS. MUST COMPLY WITH ANSI/UL 1479, ASTM E 814, NFPA/NEC 70, ASTM E 119 AND HAVE MINIMUM F RATING OF 2 HOURS, T RATING OF 1 HOUR, AND MINIMUM L RATING OF LESS THAN 1 HOUR. MUST BE UL/FM LISTED OR APPROVED.	Others
11147	6000014422	MONITOR; FIREFIGHTING, REMOTE CONTROL TYPE, ELECTRICALLY OPERATED	MONITOR; FIREFIGHTING, REMOTE CONTROL TYPE, ANY RANGE, ELECT OR HYDRAULIC OPERATED SUPPLY, MEETING 21-SAMSS-16, FULL SYSTEM FULL CONTROL INDUSTRIAL APPLICATIONS MEETING PROJECT SPECS	Others
11155	600002872	VALVE; DIFFERENTIAL DIAPHRAGM TYPE, DELUGE FLOOD	VALVE; DIFFERENTIAL DIAPHRAGM TYPE,SIZE ANY,DELUGE FLOOD	Others
11163	600002696	PANEL CONTROL; FIRE PUMP TYPE,UL/FM LISTED/APPROVED,COMPLY	PANEL CONTROL; FIRE PUMP TYPE,UL/FM LISTED/APPROVED,COMPLY W,TYPE,UL-LISTED OR FM APPROVED, PANELS SHALL BE LISTED FOR +50 DEG. CELSIUS, ENCLOSURE MUST BE NEMA 250/NEMA TYPE 4 FOR ONSHORE AND NEMA TYPE 4X FOR OFFSHORE AND NEAR SHORE ENVIRONMENT OUTDOOR WITH SHELTER INSTALLATION, INDOOR WITH AIR-CONDITIONED INSTALLATIONS ARE ALLOWED TO BE ONLY UL/FM APPROVED WITHOUT 50 DEGREES/NEMA 4/4X ENCLOSURE, ALL PANELS MUST BE CAPABLE OF PROVIDING THE PUMPS SEQUENCING FUNCTIONS IN SAES-B-017, CONTACT FRPD RSA FOR DETAILS	Others
11192	600000409	Hose; High pressure 500 psig and greater	HOSE; SIZE ANY,FOR GENERAL PURPOSES,PR HIGH PRESSURE 500 PSIG AND GREATER, REINFORCED NATURAL OR SYNTHETIC RUBBER,SAE 100R,FOR GENERAL PURPOSES SUCH AS OIL AND WATER-BASED FLUIDS, PNEUMATIC APPLICATIONS, LOW PRESSURE HYDRAULIC, LUBRICATING FLUIDS, WATER#.ETC.	Pipe & OCTG
11176	6000013160	PIPE&FITTINGSNON-METAL;RTR	PIPE NON-METALLIC; MAXIMUM 14 IN NPS,REINFORCED THERMOSETTING RESIN,REINFORCED THERMOSETTING RESIN (RTR),FOR WATER (NON-UTILITY) AND HYDROCARBON APPLICATIONS MAX TEMP 200 F,01-SAMS5-042,API 15HR API 15LR	Pipe & OCTG
11182	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
11187	6000013900	PIPE; NON-METAL; LINED PIPING SYSTEMS	PIPE NON-METALLIC; SIZES RANGES FROM NPS 1 TO 20 NPS,ASME/ANSI CLASS 150 AND 300 SUPPLY,CARBON STEEL,NGED PIPE&FITTINGS SYSTEM VY DUTY PTFE& PFA LINED,01-SAMSS-025,CORROSIVE FLUIDS INCLUDING ACIDS AND ALKALINE SOLUTIONS SUCH AS HYDROCHLORIC ACID, NITRIC ACID, PHOSPHORIC ACID, CHLORINE/WATER, HYDRAULIC OIL, HYPOCHLORITE (SODIUM OR CALCIUM), SODIUM HYDROXIDE (CAUSTIC SODA), WATER, SEA/SALINE, WATER, ARATED AQUIFER, DESALINATION BRINE, PRODUCED WATER, DISPOSAL SALT, WATER BRINE.	Pipe & OCTG
11199	6000015710	SERVICE: WET-TYPE; COMPOSITE REPAIR, INT	SERVICE; WET-TYPE THERMOSET COMPOSITE FIBER REINFORCED TYPE,SAEP-345,ASME-PCC2 ISO 24817,USE FOR WATER, HYDROCARBON, CHEMICALS PLANT PIPING AND PIPELINES. SUITABLE FOR INTERNAL CORROSION UP TO 80 PERCENT METAL LOSS PROVIDED THAT CORROSION SOURCE IS MITIGATED. FOR PLANT PIPING AND FITTINGS, IT SHALL BE	Pipe & OCTG
11208	6000017500	UNIT, METALLIC 3DPRINTING/ADDITIVE MANUF	UNIT; METALLIC 3DPRINTING/ADDITIVE MANUFACTURING INCLUDING ALL TYPE OF STEEL (E.G. INCONEL, TITANIUM, STAINLESS STEEL) TYPE,ANY METALLIC 3D PRINTED PRODUCT INCLUDING NEW PARTS MANUFACTURING, PART MODIFICATION AND REPAIR. METALLIC PART SUCH AS ROTATING EQUIPMENT, STATIC EQUIPMENT AND DRILL EQUIPMENT	Rotating Equipment
11215	600002244	COMPRESSOR; AIR; CENTRIFUGAL; INTEGRALLY	COMPRESSOR AIR; CENTRIFUGAL, INTEGRALLY GEARED TYPE, 31-SAMSS-006	Rotating Equipment
11221	600002351	PUMP; CENT, INLINE, ASMEB73.2 OR ISO5199	PUMP CENTRIFUGAL; INLINE TYPE, SIZE ANY, ANY, SINGLE STAGE(S), VERTICAL MTG, ASME B73.2 OR ISO 5199	Rotating Equipment
11230	600002363	PUMP; ROTARY; PROGRESSIVE CAVITY;	5199 PUMP ROTARY; PROGRESSIVE CAVITY TYPE,ANY,API 676	Rotating Equipment
11238	6000002365	PUMP; VACUUM; API 681, HIGH POWER	PUMP; VACUUM TYPE,ANY,API 681,HIGH POWER, LIQUID RING VACUUM PUMPS OR COMPRESSORS	Rotating Equipment
11246	600002371	PUMP; CENTRIFUGAL;VERTICAL;MOLTON SULFUR	PUMP CENTRIFUGAL; VERTICAL TYPE,SIZE ANY,ANY,SINGLE STAGE(S),MFR STD DESIGN +SAES-G- 005,MOLTEN SULFUR, SUMP	Rotating Equipment
11256	600002417	FILTER; ELEMENT; COMBUSTION GAS TURBINE;	FILTER ELEMENT; FOR COMBUSTION GAS TURBINE,32-SAMSS-008,AIR INLET, FINAL STAGE	Rotating Equipment
11263	600002453	Mixer; Side Entry; 32-Samss-017; Geared;	MIXER; SIDE ENTRY TYPE,32-SAMSS-017,GEARED, ELECTRIC DRIVEN	Rotating Equipment
1		PUMP, CENTRIFUGAL, HORIZONTAL, MOLTEN SU	PUMP CENTRIFUGAL; HORIZONTAL TYPE, SIZE ANY, ANY, SINGLE STAGE(S), MFR STD DESIGN +SAES-G-	Rotating Equipment
11271 11280	6000008842 6000010363	PUMP; MULTIPHASE, HELICO-AXIAL TYPE,ANY,31-SAMSS-004	005,MOLTEN SULFHUR PUMP; MULTIPHASE, HELICO-AXIAL TYPE,ANY,31-SAMSS-004	Rotating Equipment

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10846	6000001821	AIR HANDLING UNIT; AHU; CHILLED WATER OR	AIR HANDLING UNIT; AHU TYPE,CHILLED WATER OR DIRECT EXPANSION,ONSHORE ALL SIZES AND OFFSHORE LESS THAN 10 TONS COOLING,MANUFACTURER STANDARD	Static Equipment
10855	6000001822	AIR CONDITIONING UNIT; SELF CONTAINED; O	AIR CONDITIONING UNIT; SELF CONTAINED TYPE, (PACKAGED UNIT) CERTIFIED TO AHRI 340 AND UL 1995 STD	Static Equipment
10864	6000001823	AIR CONDITIONING UNIT; PACKAGED UNIT TRA	AIR CONDITIONING UNIT; PACKAGED UNIT TRAILERIZED TYPE,AIR COOLED,R-22 OR R- 134A,MANUFACTURER STANDARD	Static Equipment
10872	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
10910	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
10919	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
10936	6000002404	TOWER; COOLING; WATER;	TOWER COOLING; WATER TYPE,27-SAMSS-003,ASHRAE 90.1	Static Equipment
10962	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
10963	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
11297	600000066	TUBING; COPPER-ALLOY; EEMUA; ASTM	TUBING; ANY TYPE,COPPER-ALLOY, INCLUDING COPPER NICKEL (90-10, 70-30, C70600, OR C71500),EEMUA144,ASTMB466 ASTMB111	Static Equipment
11311	600000181	FLANGE; PIPE; COPPER NICKEL, EEMUA 145	FLANGE PIPE; ALL DESIGNS TYPE,ANY NPS,ANY,EEMUA 234,COPPER-ALLOY FLANGES AND CS BACKING (LAP JOINT) FLANGES PER EEMUA 234. OR OTHER COPPER ALLOYS AS PER ASME 16.5, PIPE FLANGES AND FLANGED FITTINGS, UTILITY, NON-HYDROCARBON.	Static Equipment
11318	600000245	VALVE; BALL; TOP ENTRY, RISING STEM	VALVE, BALL; SIZE ALL,ALL SUPPLY,FLANGED OR BUTTWELD END CONN,STEEL BODY,STYLE TOP ENTRY, RISING STEM-,,SINGLE, METAL SEATED SEAT,04-SAMSS-035,04-SAMSS-048 SAMSS-051,API-6D,WITH OR WITHOUT ACTUATOR	Static Equipment
11326	600000254	VALVE; BALL; SCRAPER LAUNCHING; STEEL	VALVE, BALL; SIZE ANY,ANSI CL 150 AND UP SUPPLY,FLANGED OR BUTTWELD END CONN,STEEL BODY,STYLE SCRAPER LAUNCHING,SOFT SEATED SEAT,04-SAMSS-051,04-SAMSS-035 04-SAMSS- 048,WITH OR WITHOUT ACTUATOR	Static Equipment
11335	600000275	VALVE; CHECK;SWING;UP TO 12 IN; CI OR DI	VALVE CHECK; SIZE UP TO 12 INCH,CAST OR DUCTILE IRON BODY,SWING,FLANGED, LUG OR WAFER END CONN,04-SAMSS-035,04-SAMSS-048 04-SAMSS-005	Static Equipment
11340	600000292	VALVE; GATE; UP TO 12 INCH; NON-FERROUS;	VALVE GATE; SIZE UP TO NPS 12,ANY RATING, ALLENDS SUPPLY,NON-FERROUS, (BRONZE/ALUMINUM- BRONZE BODY,04-SAMSS-035,04-SAMSS-048 04-SAMSS-001,WITH OR WITHOUT ACTUATOR	Static Equipment
11344	600000296	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
11349	600000297	VALVE GATE; SIZE NPS 14 AND ABOVE	VALVE GATE; SIZE NPS 14 AND ABOVE, ANY RATING, ALLENDS SUPPLY, CAST OR DUCTILE IRON BODY, 04- SAMSS-035, AWWA, WITH OR WITHOUT ACTUATOR	Static Equipment
11354	600000315	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,API 6A,WITH OR WITHOUT ACTUATOR	Static Equipment
11360	600000317	VALVE; PLUG; 4-WAY DIVERTER; 2 THRU 24	VALVE PLUG; 4-WAY DIVERTER TYPE,SIZE NPS 2 THRU 24,ASME CLASS 150 THRU 600 SUPPLY,FLANGED OR BUTTWELD END CONN,STEEL BODY,04-SAMSS-042,04-SAMSS-035 04-SAMSS-048,WITH OR WITHOUT ACTUATOR	Static Equipment
11368	600002393	BOILER; FIRE TUBE; AND COMONENTS	BOILER; FIRE TUBE AND COMPONENTS TYPE,32-SAMSS-021	Static Equipment
11373 11385	6000002398 6000002481	BURNER; SAES-F-01; TANK; FIBER GLASS; 32-SAMSS-002	BURNER; ANY TYPE,SAES-F-01 TANK; ANY TYPE,ANY,FIBER GLASS,32-SAMSS-002	Static Equipment Static Equipment
11390		FLARE; PROCESSED PLANT; INCLUDING TEMPER	FLARE; PROCESSED PLART JULAT OLSUS, 22-SAMSS-002, 32-SAMSS-003, 32-SAMSS-004, 32-SAMSS-011, 32- SAMSS-013, 34-SAMSS-830, 34-SAMSS-711, INCLUDING TEMPERATURE CONTROLS, IGNITERS AND STACK AND BURNPIT WITH ACCESSORIES, FOR FGRS INCLUDES: COMPRESSORS. PRESSURE VESSELS (WATER SEAL DRUMS) OR CONTROL VALVES WITH BUCKING PIN VALVES, BLOWERS AND AIR COOLED HEAT EXCHANGERS. FOR IN-HOUSE HPAAS (HIGH PRESSURE AIR ASSIST SYSTEM) FLARE SMOKELESS APPLICATION INCLUDE: HPAAS FLARE TIP, COMPRESSORS, PRESSURE VESSELS (AIR DRYER AND RECEIVER DRUM), CONTROL VALVES AND HEAT EXCHANGERS.	
11395	600002748	IGNITER	IGNITER; FLARE TYPE,FLARE	Static Equipment
11403	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
11409	6000009414	VALVE, SANDWICH, 2 IN. AND UP, ASME CLAS	VALVE; GATE, SANDWICH TYPE,SIZE NPS 2 AND UP, STEEL,ASME CLASS 150 AND UP SUPPLY,FLANGE END CONN,04-SAMSS-035,04-SAMSS-048	Static Equipment
11415	6000009454	VALVE,CHECK,14 IN &UP,CAST OR DUCTILE IR	VALVE CHECK; SIZE 14 IN. AND UP,ANY SUPPLY,CAST OR DUCTILE IRON BODY,SWING,FLANGED, LUG OR WAFE END CONN,04-SAMS5-035,04-SAMS5-048	Static Equipment
11421	6000011206	SKID; FILTRATION SYSTEM	SKID; 32-SAMSS-038 (IF SKID), DESIGN, ASSEMBLY AND DESIGN OF FILTRATION SYSTEM (HYDROCARBON SERVICE) OIL /GAS/WATER STREAM	Static Equipment
11427	6000011955	SKID; THERMAL OXIDIZER	FURNACE; BUSTION CHAMBER FABRICATORS RMAL OXIDIZER EQUIPMENT TYPE, INCLUDING BURNER	Static Equipment
11435	6000013010	VALVE; GATE, GLOBE&CHECK, CRYOGENIC	VALVE GATE; GLOBE&CHECK, CRYOGENIC TYPE,SIZE ANY SIZE,ANY RATING SUPPLY,ANY BODY,04- SAMSS-035,04-SAMSS-048 04-SAMSS-001,04-SAMSS-002 04-SAMSS-005,AS APPLICABLE FOR THE VALVE TYPE, INCLUDING THE ADDITIONAL REQUIREMENTS IN THE CRYOGENIC APPENDICES.	Static Equipment
11442	6000013091	TUBE: CATALYST, ASSEMBLIES	TUBE; CATALYST ASSEMBLIES TYPE,CENTRIFUGAL CAST. HYDROCARBON	Static Equipment
11449	6000013742	VALVE; BALL; DOUBLE ISOLATION TWIN	VALVE, BALL; SIZE UP TO 24 IN,ANSI CL 150 AND UP SUPPLY,FLANGED OR BUTTWELD END CONN,ANY BODY,STYLE SPLIT BODY,TRUNNION SUPPORTED SUPPORT,04-SAMSS-048,04-SAMSS-035 04-SAMSS- 051,DOUBLE ISOLATION TWIN BALL WITH OR WITHOUT ACTUATOR	Static Equipment
	6000014202	FITTING; PIPE; CUNI;ALL TYPES;EEMUA 146	FITTING: PIPE; EEMUA 234,CUNI PIPE FITTINGS, ALL TYPES, INCLUDING ELBOWS, TEES, REDUCERS, CAPS, COUPLING, BRANCH CONNECTION, BW OR SW OR THREADED AS PER EEMUA 234. NON-	Static Equipment

12612	6000017570	BURNER, BOILER, STEAM GENERATOR	BURNER; BOILER, STEAM GENERATOR TYPE, SIZE ANY, ANY SHAPE, ANY	Static Equipment
12603	600000308	VALVE; PLUG; LUBRICATED	VALVE PLUG; LUBRICATED TYPE,SIZE ANY SIZE,ANY PRESSURE RATING SUPPLY,ANY END CONN,STEEL BODY,04-SAMSS-035,04-SAMSS-048 04-SAMSS-053,04-SAMSS-055 ASME B16.34,API 599 API 6A,WITH OR WITHOUT ACTUATOR,ASME CLASS 150 AND UP, API 2000 TRHU 5000.	Static Equipment
12594	6000017340	VALVE, BALL; SIZE UP TO NPS 12 INCH, ANY SUPPLY	VALVE, BALL; SIZE UP TO NPS 12 INCH,ANY SUPPLY,ANY END CONN,DUCTILE OR CAST IRON BODY,04- SAMSS-035 04-SAMSS-048 AWWA OR OTHER EQUIVALENT,2 OR 3 WAY,WITH OR WITHOUT ACTUATOR	Static Equipment
11517	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
11508	6000017431	UNIT, CENTRIFUGE PACKAGE (VERTICAL OR HO	UNIT; CENTRIFUGE PACKAGE (VERTICAL OR HORIZONTAL) TYPE,DEVICE/PACKAGE USED TO SEPARATE TWO OR THREE PHASES FROM EACH OTHER BY CENTRIFUGAL FORCE OR ROTATION. APPLIES SEDIMENTATION PRINCIPLE TO SEPARATE HEAVIER/DENSER SUBSTANCE/PARTICLE FROM LESS DENSE FLUIDSEPARATION OF WATER FROM OIL, OIL FROM WATER, SOLIDS FROM OIL, SOLIDS FROM LIQUIDS (WATER AND GLYCOL) OR THREE PHASE SEPARATION (SOLIDS, WATER, OIL)	Static Equipment
11500	6000017141	INLINE MIXING SKID;	SKID; VALVE/SPOOL TYPE,SAES-A-010,01-SAMSS-010 04-SAMSS-01/02/048,SAES-W-0 ANSI B31.3,SAES- J-700,INLINE HIGH EFFICIENCY MIXER PACKAGE, ADJUSTABLE OR STATIC, TYPICALLY HAS PIPE & FITTINGS, INJECTION CONE AND INJECTION PIPE SPOOL, INJECTION QUILL, HOUSING. INTERNAL MIXING PARTS COULD BE FOR SOUR OR NON-SOUR SERVICE 8–32 NPS PRODUCT RANGE, ANSI FLANGE 150# TO 900#. FOR MIXING OIL WITH WATER OR CHEMICALS. FABRICATION WITH APPROVED MANUFACTURER	Static Equipment
11492	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, API 6A	Static Equipment
11486	6000015600	VAPOR RECOVERY UNIT (VRU)	UNIT; VAPOR RECOVERY UNIT TYPE,32-SAMSS-004,32-SAMSS-019 API-672,API-681 ASME B73.1 OR ISO 2858,ISO SAES-G-005,SAES-K-101 ASHRAE 90.1 EER,VAPOR RECOVERY UNITS (VRU) IS A PROCESS UNIT/MODULE THAT RECOVERS VOLATILE ORGANIC COMPOUNDS, VOCS, OR VENT GASES SUCH AS METHANE, ETHANE, PROPANE AND CARBON DIOXIDE TO AVOID VENTING TO ATMOSPHERE OR FLARE. IT IS USED TO RECOVER VAPORS THAT RESULT FROM LOADING OF PETROLEUM AND PETROCHEMICAL PRODUCTS AND TRANSFER OF EVAPORATIVE HYDROCARBONS SUCH AS GASOLINE, NAPHTHA, AROMATICS, FUEL AND ALCOHOL	Static Equipment
11478	6000015021	VALVE: CHECK; API 6A 10,000; SWING	VALVE CHECK; SIZE 1-13/16 IN AND UP,API 10000 SUPPLY,STEEL BODY,SWING,FALNGED HUBBED OR BUTT-WELD END CONN,04-SAMSS-055,API 6A	Static Equipment
11471	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
11463	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