

Annex C. List of chemical substances and preparations

1. List of chemical substances and preparations in the construction stage

List of substances and chemical preparations estimated at the construction/installation stage

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
1	Hydrosure™ HD-5002	Hydrotesting chemical product	Used for hydrotesting pipelines and supply/intake pipes at 500 ppm	m ³	35.0	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H373 May cause damage to organs through prolonged or repeated exposure. H410 Very toxic to the aquatic environment with long-term effects. EUH031 In contact with acids, liberates a toxic gas.	P260 Do not breathe dust/fume/gas/mist/vapour/spray. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection / face protection/ hearing protection. P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse your mouth. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse the skin with water.
2	Hydrosure Corrosion Inhibit Stick	Corrosion inhibitor	Used during hydrotesting of pipelines and supply/supply pipelines	kg	4.0	H315 Causes skin irritation. H318 Causes serious eye damage.	P280 Wear protective gloves/equipment eye protection/face protection equipment. P302 + P352 IF ON SKIN: Wash with a lot of water. P305 + P351 + P338 + P310 IF IN EYES: Rinse thoroughly with water for at least many minutes. Remove contact lenses, if applicable and if this se can easily do. Continue rinsing. Call a POISON CENTER/ doctor immediately.
3	Hydrosure Red Dye Stick	Pigment	Used during hydrotesting of pipelines and supply/supply pipelines	kg	6.0	H319 Causes serious eye irritation.	P264 Wash skin thoroughly after use. P280e Wear protective equipment a eye/face protection equipment. P305 + P351 + P338 IF IN EYES: Rinse thoroughly with water for several times minutes. Remove contact lenses, if

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							if this is the case and if this can be done easily. Continue rinsing.
4	Hydrosure Oxygen Scav E2 Stick	Oxygen inhibitor	Used during hydrotesting of pipelines and supply/supply pipelines	kg	5.0	H318 Causes serious eye damage. EUH031 In contact with acids, liberates a toxic gas.	P280e Wear protective equipment a eye/face protection equipment. P305 + P351 + P338 + P310 IF IN EYES: Rinse thoroughly with water for at least many minutes. Remove contact lenses, if applicable and if this se can easily do. Continue rinsing. Call a CENTER immediately TOXICOLOGICAL INFORMATION/ a doctor.
5	Hydrosure Biocide Stick	BIOCIDAL	Used during hydrotesting of pipelines and supply/supply pipelines	kg	3.5	H302 + H312 Harmful if swallowed or in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H400 Very toxic to the aquatic environment. H411 Toxic to the aquatic environment with effects on long term.	P261 Avoid breathing dust/fume/gas/ mist/vapour/spray. P273 Avoid release to the environment. P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell. Rinse your mouth. P302 + P352 + P312 IF ON SKIN: wash with plenty of water. Call a CENTER TOXICOLOGICAL INFORMATION/ a doctor if you feel unwell. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep in a comfortable position for breathing. Call to a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338 + P310 IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses, if applicable and if this can be done easily . Continue rinsing. Call a POISON CENTER / doctor immediately.
6	Methanol	Hydrate inhibitor	Initialization start probes	m ³	250 m ³ / well 530 m ³ – (chemical cores and tanks first fill)	H225 Highly flammable liquid and vapour. H301 + H311 + H331 Toxic if swallowed, in contact with skin or by inhalation. H370 Causes damage to organs (Eyes).	P210 Keep away from heat sources, hot surfaces, sparks, flames and other sources of ignition. No Smoking. P260 Do not breathe dust/fume/gas/mist/ vapor/spray. P280 Wear protective gloves/ protective clothing/ equipment of eye protection/ protective equipment of the face.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							<p>P301 + P310 + P330 IF SWALLOWED: Call a CALLING CENTER immediately</p> <p>TOXICOLOGICAL / a doctor. Rinse your mouth.</p> <p>P303 + P361 + P353 IF ON SKIN (or with hair): Remove all immediately contaminated clothing. Rinse the skin with water.</p> <p>P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep person in comfortable position for breathing. Call to a TOXICOLOGICAL INFORMATION CENTER / a doctor.</p>
7	Triethylene Glycol	Gas dehydration	first filling	m ³	350 first tank filling and subsea commissioning	Chemical product not classified as dangerous.	<p>P314 Get medical advice if you feel unwell.</p> <p>P401 Store in accordance with local legislation.</p>
8	Pelagic 100 H	Underwater hydraulic fluid - aqueous actuation fluid	Actuation liquid for underwater valves	m ³	76	<p>H302 Harmful if swallowed</p> <p>H319 Causes serious eye irritation .</p> <p>H315 Causes skin irritation.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>	<p>P260 - Do not breathe vapour</p> <p>P280 Wear protective gloves/ protective clothing/ equipment of eye protection/ protective equipment of the face</p> <p>P314 Get medical advice if you feel unwell.</p> <p>P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell. Rinse your mouth</p> <p>P501 Dispose of contents/container to an authorized waste disposal facility</p>
9	CORR12452A	Corrosion inhibitor	First filling	mc	26 Initial filling of the well	<p>H302 + H312 + H332 Harmful if swallowed, in contact with skin or by inhalation.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation .</p> <p>H373 May cause damage to organs in case</p>	<p>P260 Do not breathe dust/fume/gas/mist/ vapor/spray.</p> <p>P273 Avoid release to the environment.</p> <p>P301 + P312 + P330 IF SWALLOWED: Call an INFORMATION CENTER</p> <p>TOXICOLOGICAL/ a doctor if not you feel good Rinse your mouth.</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						of prolonged or repeated exposure. H412 Harmful to the aquatic environment with effects on long term.	P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a CENTER OF TOXICOLOGICAL INFORMATION/ un doctor if you feel unwell. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep in comfortable position for breathing. Call at an INFORMATION CENTER TOXICOLOGICAL/ a doctor if not you feel good P305 + P351 + P338 IF IN EYES: Rinse thoroughly with water for several times minutes. Remove contact lenses, if if this is the case and if this can be done easily. Continue rinsing.
10	SCAL13370A	Deposit inhibitor	First filling	mc	27 (chemical cores and tank first fill)	H373 May cause damage to organs through prolonged or repeated exposure.	P260 Do not breathe dust/fume/gas/mist/ vapor/spray. P314 Get medical advice if you feel unwell. P501 Dispose of contents/container to an authorized waste disposal facility.
11	AFMR20400A	foaming	First filling	mc	16 Initial filling of the well	H312 + H332 Harmful in contact with skin or by inhalation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.	P261 Avoid breathing dust/fume/gas/ mist/vapour/spray. P280 Wear protective gloves/ protective clothing/ equipment of eye protection/ protective equipment face/hearing protection. P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ un doctor if you feel unwell. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep in comfortable position for breathing. Call an INFORMATION CENTER TOXICOLOGICAL/ a doctor if not you feel good P305 + P351 + P338 IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses, if applicable and if this can be done easily. Continue rinsing.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
12	Multi-use product aerosol (WD40)	Grease	Industrial use	mc	0.01	Extremely flammable aerosol. Contains gas under pressure; may explode if heated. It can be fatal if swallowed and enters the respiratory tract. May cause drowsiness or dizziness.	Keep away from heat, sparks, open flames, hot surfaces. - No Smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not puncture or burn, even after use. Avoid breathing vapors or mist. Use only outdoors or in a well-ventilated area.
13	diesel fuel	Fuel with low sulfur content	combustible	mc	33745	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H332 Harmful if inhaled. H351 Suspected of causing cancer (skin). H373 May cause damage to organs (thymus, liver, bone marrow) in case of exposure prolonged or repeated. H411 Toxic to the aquatic environment with long-term effects.	P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. - No Smoking. P261 Avoid breathing dust/fume/gas/mist/vapour/spray. P280 Wear protective gloves/protective clothing/eye protection / face protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 DO NOT induce vomiting. P501 The contents/containers will be disposed of according to the legal provisions in force
14	Ship fuel	Fuel with low sulfur content	combustible	mc	31,657	H350 May cause cancer. H332 Harmful if inhaled. H361d May cause harm to the unborn child H373 May cause damage to organs (blood, thymus, liver) through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.	P201 Obtain special instructions before use. P260 Do not breathe vapour. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection / face protection. P308 + P313 IF exposed or likely to be exposed: Get medical advice. P501 Dispose of contents/containers according to applicable laws
15	CARBOTHANE 134 HG PART A	Used product for coatings multicomponent industrially	Used in dyeing and the coverage equipment and ducts	mc	0.02	H225 highly flammable liquid and vapor H315 Causes skin irritation H319 Causes serious eye irritation. H350 May cause cancer H361 Susceptible to harm to the fetus H372 - Causes damage to organs through prolonged or repeated exposure	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood P210 Keep away from heat, hot surfaces, sparks, flames and other sources of ignition. Smoking P235 Keep calm

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							<p>P260 Do not breathe dust /fume/gas/mist/vapour/spray</p> <p>P264 Wash face, hands and any exposed skin thoroughly after use</p> <p>P280 Wear protective gloves/protective clothing/eye protection/ face protection.</p> <p>P284 If ventilation is inadequate wear respiratory protection</p> <p>P305+351+338 I IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing</p> <p>P308+313 - IF exposed or likely to be exposed: Get medical advice</p> <p>P314 Get medical advice if you feel unwell.</p> <p>P332+313 - In case of skin irritation: seek medical advice</p> <p>P403+233 Store in a well-ventilated area. Keep the container tightly closed</p>
16	Carboline Urethane Converter 811	Product for painted	Used for painting equipment and ducts	cubic meter	0.02	<p>H226 Flammable liquid and vapor</p> <p>H317 May cause an allergic skin reaction</p> <p>H332 Harmful if inhaled</p> <p>H335 May cause respiratory irritation</p> <p>H412 Harmful to the aquatic environment with long-term effects</p>	<p>P210 Keep away from heat, hot surfaces, sparks, flames and other sources of ignition. Smoking</p> <p>P240 Ground/bond container and receiving equipment..</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautions against static discharge</p> <p>P261 Avoid breathing vapor/spray</p> <p>P271 Use only outdoors or in a well-ventilated area ..</p> <p>P272 Contaminated work clothing should not be left outside the workplace.</p> <p>P273 Avoid release to the environment.</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							<p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep person comfortable for breathing.</p> <p>P312 Call a POISON CENTER/doctor if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P362+P364 Remove contaminated clothing and wash before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water mist to extinguish.</p> <p>P403+P233 Store in a well-ventilated area. Keep the container tightly closed</p> <p>P403+P235 Keep in a well-ventilated place. Stay calm.</p> <p>P405 Warehouse closed.</p> <p>P501 Dispose of contents/container to an authorized waste disposal facility</p>
17	AMERLOCK 400C 400GF STRAPS	The paint of covering	Used in dyeing and the coverage equipment and ducts	mc	0.03	<p>Flammable liquid and vapor.</p> <p>Causes severe skin burns and eye damage.</p> <p>May cause an allergic skin reaction.</p> <p>Harmful if inhaled.</p> <p>May cause respiratory irritation.</p> <p>Suspected of causing cancer.</p> <p>Suspected of affecting fertility or the unborn child</p>	<p>Get special instructions before use.</p> <p>Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection.</p> <p>Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No Smoking.</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							<p>Use explosion-proof electrical, ventilation or lighting equipment.</p> <p>Use non-sparking tools.</p> <p>Take steps to prevent static discharges.</p> <p>Use only outdoors or in a well-ventilated area.</p> <p>Avoid breathing vapors.</p> <p>Wash well after handling.</p> <p>Contaminated work clothing should not be left outside the workplace.</p>
18	AMERLOCK 2/400 Pearl Gray RESIN	The paint of covering	Used in dyeing and the coverage equipment and ducts	mc	0.03	<p>Flammable liquid and vapor.</p> <p>Causes skin irritation.</p> <p>May cause an allergic skin reaction.</p> <p>Causes serious eye irritation.</p> <p>May cause respiratory irritation.</p> <p>Suspected of causing cancer.</p>	<p>Get special instructions before use.</p> <p>Do not handle until all safety precautions have been read and understood.</p> <p>Wear protective gloves, protective clothing and eye or face protection.</p> <p>Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition.</p> <p>No Smoking.</p> <p>Use explosion-proof electrical, ventilation or lighting equipment.</p> <p>Use non-sparking tools.</p> <p>Take action to prevent static discharges.</p> <p>Use only outdoors or in a well-ventilated area.</p> <p>Avoid breathing vapors.</p> <p>Wash hands thoroughly after handling.</p> <p>Contaminated work clothing should not be allowed to leave the workplace.</p>
19	AMERLOCK 2/400 Light Tint RESIN	The paint of covering	Used in dyeing and the coverage equipment and ducts	mc	0.03	<p>Flammable liquid and vapor.</p> <p>Causes skin irritation.</p> <p>May cause an allergic skin reaction.</p> <p>Causes serious eye irritation.</p> <p>May cause respiratory irritation.</p> <p>Suspected of causing cancer.</p>	<p>Get special instructions before use.</p> <p>Do not handle until all safety precautions have been read and understood.</p> <p>Wear protective gloves, protective clothing and eye or face protection.</p> <p>Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition.</p> <p>No Smoking.</p> <p>Use explosion-proof electrical, ventilation or lighting equipment.</p> <p>Use non-sparking tools.</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid breathing vapors. Wash hands thoroughly after handling. Contaminated work clothing should not be left out .
20	AMERCOAT 450H CURE	The paint of covering	Used in dyeing and the coverage equipment and ducts	mc	0.02	Flammable liquid and vapor. May cause an allergic skin reaction. Harmful if inhaled. It can cause allergies or asthma symptoms or difficulty breathing breath if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.	Wear protective gloves, protective clothing and eye or face protection. Wear a respiratory protection mask. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No Smoking. Use explosion-proof electrical, ventilation or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid breathing vapors. Contaminated work clothing should not be allowed to leave the workplace.
21	Acrylic LACQUER THINNER	Product for painted	Used for painting equipment and ducts	mc	0.04	Highly flammable liquid and vapor. Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. Suspected of harming the unborn child. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness and dizziness. May cause organ damage through prolonged exposure or repeated. (central nervous system (CNS), auditory organs, kidney, liver)	Get special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No Smoking. Use explosion-proof electrical, ventilation or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid breathing vapors. Wash hands thoroughly after handling. Keep the container tightly closed. Do not eat, drink or smoke when using this product. .
22	THINNER 21-25	Paint thinner	Used for painting equipment and	mc	0.01	Flammable liquid and vapor. It can be fatal if swallowed and enters the respiratory tract.	Get special instructions before use. Do not handle until all safety precautions have been read and understood.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
			ducts			Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. Suspected of causing cancer. Causes organ damage through prolonged exposure or repeated. (central nervous system (CNS))	Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No Smoking. Use explosion-proof electrical, ventilation or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid breathing vapors. Wash hands thoroughly after handling. Keep the container tightly closed. Do not eat, drink or smoke when using this product.
2. 3	Super Mud Dry	Viscosifier	Used in view increase in viscosity the fluid of filling out PROBE	mc	0.01	Product not classified as hazardous according to regulations USA/EU.	May cause slight skin irritation, especially with prolonged or repeated exposure. May cause eye irritation which should stop when the product is removed. Inhalation of dust can cause irritation of the respiratory system. Very slippery underfoot when wet. Rough handling can create dust - as with many organic powders, airborne dust clouds can cause an explosion hazard. Use personal protective equipment appropriate for the task at hand. Respiratory protection may be required if dust is created during cleaning operations. Avoid creating dust clouds in the air. The products become very slippery underfoot when wet.
24	MOBILGREASE 28	Vaseline for multiple use	Maximum 0.01 (in depending on necessity)	mc	0.01	Injection under pressure under the skin can cause serious injury. Excessive exposure may cause eye, skin or respiratory irritation. Secondary amines or materials containing secondary amines should not be added to this product due to the risk of forming	Prevent spills to avoid slip hazard. Contains sodium nitrite. Do not add amines that can form cancer-causing nitrosamines.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						nitrosamines, some of which have been shown to be carcinogenic in laboratory animals.	
25	PPG THINNER 2	Diluent for COATING industrially	Used in dyeing and	mc	0.04	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through exposure prolonged or repeated.	P210 Keep away from heat / sparks / open flames / hot surfaces. No Smoking. P235 Keep cool. P260: Do not breathe dust / fume / gas / mist / vapor / spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P284 Wear respiratory protection. P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P305 + 351 + 338 IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses, if present present and easy to do. Continue rinsing. P308 + 313 IF exposed or concerned: Get medical advice/attention P314 Get medical advice/attention if you feel unwell. P331 DO NOT induce vomiting. P332 + 313 If skin irritation occurs: Get medical attention. P403 + 233 Keep in a well-ventilated place. Keep the container tightly closed.
26	PPG THINNER 215	Diluent for COATING industrially	the coverage	mc	0.03	H226 Flammable liquid and vapour	P210 Keep away from heat, hot surfaces, sparks, flames and other sources of ignition. Smoking P403+233 Store in a well-ventilated area. Keep the container tightly closed
27	Loctite® Clear Silicone Sealant	Silicone seal	Used at installation the equipment	mc	Maximum 0.01 (in depending on necessity)	Skin irritation 2 Eye irritation 2a Skin sensitization 1	Avoid breathing vapor, mist or spray. Wash well after handling. Contaminated work clothing should not be allowed to leave the workplace. Wear eye and face protection. Wear protective gloves. IF ON SKIN: Wash with plenty of soap and water.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							<p>IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses, if present and easy to removed. Continue rinsing.</p> <p>If irritation or rash occurs: Get medical attention.</p> <p>If eye irritation persists: Get medical attention.</p> <p>Take off your clothes contaminated.</p> <p>Dispose of contents and/or container in accordance with federal, state/provincial and local government regulations.</p>
28	Locite PL Premium Max Construction Adhesive	Adhesive	Used at installation the equipment	mc	0.008	<p>Inhalation of acute toxicity 4</p> <p>Skin irritation 2</p> <p>Serious eye damage 1</p> <p>Respiratory sensitization 1</p> <p>Skin sensitization 1</p> <p>Carcinogenicity 1a</p> <p>Repeated exposure 1</p>	<p>Get special instructions before use.</p> <p>Do not handle until all safety precautions have been read and understood.</p> <p>Do not breathe dust or fumes.</p> <p>Wash the affected area thoroughly after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Use only outdoors or in a well-ventilated area.</p> <p>Contaminated work clothing should not be allowed to leave the workplace.</p> <p>Wear protective gloves, clothing, eyes and face.</p> <p>In case of inadequate ventilation, wear respiratory protection.</p> <p>IF ON SKIN: Wash with plenty of water.</p> <p>IF INHALED: Move the victim to fresh air and keep him at rest in a position comfortable for breathing. Call one POISON CENTER or a doctor if you feel unwell.</p> <p>IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses, if present and easy to made. Continue rinsing.</p> <p>IF exposed or concerned: Get medical attention.</p> <p>If irritation or rash occurs: Get medical attention.</p> <p>Remove contaminated clothes.</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							Store locked. Dispose of contents and/or container in accordance with governmental, regional and local regulations.
29	MOBILE 15W-30	Motor oil	Used for the vehicles used in the execution of the works of construction on dry	mc	Maximum 0.01 (in depending on necessity)	Injection under pressure under the skin can cause serious injury. Excessive exposure may cause eye, skin or respiratory irritation.	Avoid contact with the used product. Prevent small leaks and spills to avoid the danger of slipping. The material may accumulate static charges that may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark may ignite any flammable liquid vapors or residues that may be present. Use proper grounding procedures.

2. List of chemical substances and preparations in the drilling stage

List of substances and chemical preparations estimated at the well drilling stage

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
1	AVAGEL	Viscosifier - Bentonite	Used in view increase in viscosity water-based drilling fluid	tons	2222	H350 - May cause cancer	P201 - Obtain special instructions before use P202 - Do not handle until all safety measures have been read and understood P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or likely to be exposed: seek medical advice P405 - Store under lock and key P501 - Dispose of contents/container to an authorized waste disposal facility
2	Caustic soda	Agent of control of alkalinity for fluids of drilling on water base	Used to raise the pH of water-based drilling fluid to prevent flocculation bentonite	tons	55	H314 - Causes severe skin burns and eye damage	P260 - Do not breathe dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing and eye/face protection P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower] P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses, if applicable and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor
3	Soda Ash	Alkalinity control agent	Drilling fluid	tons	41.25	H319 - Causes serious eye irritation	P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear eye/face protection P337 + P313 - If eye irritation persists: Get medical advice P501-Dispose of contents/container to an authorized waste disposal facility
4	STEARALL LQD	foaming	Used to prevent formation a foam while stirring the water-based drilling fluid	tons	46.75	H317 - May cause an allergic skin reaction	P261 - Avoid breathing dust/fume/gas/mist/vapour/spray P272 - Do not remove contaminated work clothing outside the workplace P280 - Wear protective gloves P333 + P313 - In case of skin irritation or rash: seek medical advice P362 + P364 - Remove contaminated clothing and wash before reuse

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							P501 - Dispose of contents/container to an authorized waste disposal facility
5	BARITE	Agent of weighting	Used for increasing density drilling fluids non-aqueous and water-based drilling fluids	tons	50600	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
6	AVADEFOAM NS	foaming	Used to prevent formation a foam in time agitation of the fluid water based drilling	tons	44	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
7	NewZan [™] D (Xanthan Gum)	Viscosifier - Xanthan gum	Used to grow fluid viscosity of water-based drilling	tons	165	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
8	NewEdge [™] (APPROVE US)	Additive for the loss fluids - Humiliated	Used for loss reduction of fluid from the water-based drilling fluid	tons	114.4	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
9	Calcium Chloride	Control stability the hole of probe	Used to increase the salinity of non-aqueous drilling fluid to a reduces shale reactivity	tons	6237	H319 - Causes serious eye irritation	P264 - Wash face, hands and any exposed skin thoroughly after use P270 - Do not eat, drink or smoke while using the product P280 - Wear eye/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice P501 - Dispose of contents/container to an authorized waste disposal facility
10	Calcium Chloride Brine	Control stability the hole of	Used to increase the salinity of non-	tons	6237	H319 - Causes serious eye irritation	P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear eye/face protection

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
		probe	aqueous drilling fluid to a reduces shale reactivity				P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice
11	DEG 327	Hydrate inhibitor	prevents formation hydrate	tons	110	H302 - Harmful if swallowed	P261 - Avoid breathing dust/fume/gas/mist/vapour/spray P264 - Wash face, hands and any exposed skin thoroughly after use P270 - Do not eat, drink or smoke while using the product P312 - Call a POISON CENTER or doctor if you feel unwell P330 - Rinse mouth P501 - Dispose of contents/container to an authorized waste disposal facility
12	AVAGLYCO	Deposit inhibitor	Drilling fluid	tons	110	H318 - Causes serious eye damage	P280 - Wear eye/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor
13	AVAGLYCO MP	Deposit inhibitor	Drilling fluid	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
14	POTASSIUM IODIDE	fluoroscien dye,	Drilling fluid	tons	11	H312 - Harmful in contact with skin H372 - Causes damage to organs through prolonged or repeated exposure H412 - Harmful to the aquatic environment with long-term effects	P260 - Do not breathe dust/fume/gas/mist/vapour/spray P264 - Wash skin thoroughly after use P270 - Do not eat, drink or smoke while using the product P280 - Wear protective gloves and protective clothing P312 - Call a POISON CENTER or doctor if you feel unwell P501 - Dispose of contents/container to an authorized waste disposal facility
15	Sodium Chloride 98.5% (Sea Salt)	brine	Used for increasing salinity topping up fluid of the probe	tons	1100	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
16	Micromax [®]	Weighting material	Drilling fluid	tons	3850	H361: May damage fertility or the unborn child.	P201: Get special instructions before use. P202: Do not handle the product until you have read and understood all safety precautions. P280: Wear protective gloves/protective clothing/eye protection/face protection. P308+P313: If exposed or concerned: Get medical advice. P405: Store under lock and key. P501: Dispose of contents/container in accordance with local/national regulations.
17	AVADES 100	Inhibitor of H ₂ S corrosion	Used for BREAKDOWN of H ₂ S molecules in the water-based drilling fluid	tons	22	H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H332 - Harmful if inhaled H341 - Susceptible to causing genetic abnormalities H350 - May cause cancer H373 - May cause damage to organs through prolonged or repeated exposure H411 - Toxic to the aquatic environment with long-term effects	P273 - Avoid release to the environment P280 - Wear protective gloves/protective clothing/eye protection/face protection P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. wash skin with water/shower P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing
18	AVAGUM	Guar gum	Used for increase in viscosity the drilling fluid on water base	Guar gum	33	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
19	AVAWASH WBM	Agent of clean column of piping for drilling fluids based on the water	Used for removal of drilling mud from the casing string during cleaning of the wellbore fluid water based drilling	tons	66	H302 - Harmful if swallowed H318 - Causes serious eye damage	P264 - Wash face, hands and any exposed skin thoroughly after use P270 - Do not eat, drink or smoke while using the product P280 - Wear eye/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor P501 - Dispose of contents/container to an authorized waste disposal facility
20	AVAGEL	Viscosifier - Bentonite	Used to increase the viscosity of water-based drilling fluid	tons	110	H350 - May cause cancer	P201 - Obtain special instructions before use P202 - Do not handle until all safety measures have been read and understood P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or likely to be exposed: seek medical advice P405 - Store under lock and key P501 - Dispose of contents/container to an authorized waste disposal facility
21	Natrosol™ 250 HHRP Hydroxyethylcellulose™	Viscosifier hydroxy ethyl cellulose	Used for increase in viscosity water-based drilling fluid	tons	11	H319-Causes serious eye irritation .	Chemical product classified as non-hazardous.
22	Sodium Bicarbonate	Eliminator of calcium	Used for removal of calcium ions from water-based drilling fluid	tons	22	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
2. 3	ESCAID™ 110	Hydrocarbs basic for NAF	Used for phase continuous flow of non-aqueous drilling fluid	tons	5830	H304: May be fatal if swallowed and enters airways. EUH066: Repeated exposure may cause skin drying or cracking.	P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331: DO NOT induce vomiting. Storage: P405: Store under lock and key. Removal: P501: Dispose of contents/container in accordance with local regulations.
24	EDC 95-11	Hydrocarbs basic for NAF	Used for phase continuous flow of non-aqueous drilling fluid	tons	The same amount as Escaid 110 if it is decided to replace the base hydrocarbon	H304 - May be fatal if swallowed and enters airways	P301 + P310 - IF SWALLOWED: Immediately call a TOXICOLOGICAL INFORMATION or a doctor. P331 - DO NOT induce vomiting.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
25	EDC 99-DW	Hydrocarbs basic for NAF	Used for phase continuous flow of non-aqueous drilling fluid	tons	The same amount as Escaid 110 if it is decided to replace the base hydrocarbon	H304 - May be fatal if swallowed and enters airways	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor P331 - DO NOT induce vomiting
26	AVOIL ON LT	Emulsifier mayor for drilling fluids NEAP	Used for the fluid of non-aqueous drilling - cause an emulsion stable between base hydrocarbons and brine	tons	165	H315 - Causes skin irritation H317 - May cause an allergic skin reaction EUH208 - Contains (rosin ; colophony). It may cause an allergic reaction	P264 - Wash face, hands and any exposed skin thoroughly after use P272 - Do not remove contaminated work clothing outside the workplace P280 - Wear protective gloves/protective clothing/eye protection/face protection P332 + P313 - In case of skin irritation: seek medical advice P333 + P313 - In case of skin irritation or rash: seek medical advice P501 - Dispose of contents/container in accordance with local, regional, national and international regulations as applicable EVENT
27	AVOIL SE/LT	Emulsifier secondary for fluids for drilling NEAP	Used for the fluid of non-aqueous drilling - cause an emulsion stable between base hydrocarbons and brine	tons	176	H315 - Causes skin irritation H317 - May cause an allergic skin reaction EUH208 - Contains Rosin	P264 - Wash face, hands and any exposed skin thoroughly after use P273 - Avoid release to the environment P280 - Wear protective gloves P332 + P313 - In case of skin irritation: seek medical advice P333 + P313 - In case of skin irritation or rash: seek medical advice P501 - Dispose of contents/container in accordance with local, regional, national and international regulations as applicable EVENT
28	AVOIL DW	Rheology additive	Used for viscosity control drilling fluid aqueous	tons	66	H315 - Causes skin irritation H319 - Causes serious eye irritation	P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves and eye/face protection P302 + P352 - IF ON SKIN: wash with plenty of soap and water

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						EUH208 - Contains Diethylenetriamine May cause an allergic reaction.	P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing
29	AVOIL FC	Reducer of loss of fluid	Used to reduces fluid loss in non-aqueous drilling fluid	tons	231	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
30	AVOIL TN/LT	NAF Rheology additive	Drilling fluid	tons	22	H304 - May be fatal if swallowed and enters airways	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor P331 - DO NOT induce vomiting P405 - Store under lock and key P501 - Dispose of contents/container to an authorized waste disposal facility
31	AVOIL FR-HT	NADF fluid loss reducer	Drilling fluid	tons	55	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
32	AVOIL WA-LT	NAF wetting agent	Drilling fluid	tons	66	H315 - Causes skin irritation H317 - May cause an allergic skin reaction	P261 - Avoid breathing dust/fume/gas/mist/vapour/spray P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves/protective clothing/eye protection/face protection P333 + P313 - In case of skin irritation or rash: seek medical advice P362 + P364 - Remove contaminated clothing and wash before reuse P501 - Dispose of contents/container in accordance with local, regional, national and international regulations as applicable EVENT
33	AVOIL VS/LT	NAF Viscosifier rheology	Drilling fluid	tons	66	H317 - May cause an allergic skin reaction	P272 - Do not remove contaminated work clothing outside the workplace P280 - Wear protective gloves/protective clothing/eye protection/face protection P333 + P313 - In case of skin irritation or rash: seek medical advice P501 - Dispose of contents/container in accordance with local, regional, national and international regulations as applicable

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							EVENT
34	AVABENTOIL HY	Viscosifier with yield picked up	Used to grow fluid viscosity of non-aqueous drilling	tons	286	H350 - May cause cancer H372 - Causes damage to organs through prolonged or repeated exposure	P201 - Obtain special instructions before use P260 - Do not breathe dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or likely to be exposed: seek medical advice P405 - Store under lock and key P501 - Dispose of contents/container to an authorized waste disposal facility
35	OptiTrol™	NADF Control agent of FILTERING	Used to reduce fluid losses from non-aqueous drilling fluid	tons	66	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
36	NDFT 305	NAF Viscosifier rheology	Drilling fluid	tons	66	H318 - Causes serious eye damage	P280 - Wear protective gloves and eye/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes P310 - Immediately call a POISON CENTER or doctor
37	AVAWASH OBM	Produced by cleaning a column of tubing with toxicity LOW	Used to remove drilling mud from the casing string while cleaning the wellbore of non-aqueous drilling fluid	tons	11	H304 - May be fatal if swallowed and enters airways H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H411 - Toxic to the aquatic environment with long-term effects H226 - Flammable liquid and vapour EUH066 - Repeated exposure may cause skin drying or cracking	P210 - Keep away from heat sources, hot surfaces, sparks, flames and other sources of ignition. No Smoking P273 - Avoid release to the environment P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor P331 - DO NOT induce vomiting P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam for FIGHTING P391 - Collect spilled product
38	AVAWASH OBM/LT	Produced by cleaning a column of tubing with toxicity LOW	Used to remove drilling mud from the casing string while cleaning the wellbore of non-aqueous drilling fluid	tons	165	H302 - Harmful if swallowed H318 - Causes serious eye damage	P264 - Wash face, hands and any exposed skin thoroughly after use P273 - Avoid release to the environment P280 - Wear eye/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						H412 - Harmful to the aquatic environment with long-term effects	contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor P501 - Dispose of contents/container to an authorized waste disposal facility
39	Hydrated Lime	Agent of control alkaline	Used for stabilizing the pH of the non-aqueous drilling fluid	tons	517	H315 - Causes skin irritation H318 - Causes serious eye damage H335 - May cause respiratory irritation	P261 - Avoid breathing dust/fume/gas/mist/vapour/spray P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves and eye/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor P321 - Specific treatment (see .? on this label)
40	INTAFLOW	Derivative agent	Drilling fluid	tons	682	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
41	NewCarb™	Material return loss	Used to close the pores in permeable formations to prevent loss of non-aqueous drilling fluid	tons	550	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
42	INTASOL FMC (F)	Material return loss	Used to close the pores in permeable formations to prevent loss of non-aqueous drilling fluid	tons	165	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
43	INTASOL FMC (M)	Material return loss	Used to close the pores in permeable formations to prevent loss of non-aqueous drilling fluid	tons	165	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
44	INTASOL FMC (C)	Material return loss	Used to close the pores in permeable formations to prevent loss of non-aqueous drilling fluid	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
45	Soltex® E Additives	Additive for control losses of liquid	Used to close the pores in permeable formations to prevent loss of non-aqueous drilling fluid	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
46	Micronized Barite	Hardening agent	Used for increasing density drilling fluids non-aqueous and water-based drilling fluids, as well as cementing	tons	550	H350 - May cause cancer H373 - May cause damage to organs through prolonged or repeated exposure	P201 - Obtain special instructions before use P202 - Do not handle until all safety measures have been read and understood P260 - Do not breathe dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or likely to be exposed: seek medical advice P501 - Dispose of contents/container to an authorized waste disposal facility
47	AVAGREENLUBE	Lubricated Agent	Drilling fluid	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
48	VICTOSAL HT	Fluid loss control additive	Drilling fluid	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
49	VISCO 83 SL	Fluid WBM loss reduction	Drilling fluid	tons	220	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
50	VISCO 83	Control of rheological properties	Drilling fluid	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
51	Potassium Carbonate	Alkalinity control agent	Drilling fluid	tons	55	H315 - Causes skin irritation	P261 - Avoid breathing dust/fume/gas/mist/vapour/spray

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						H319 - Causes serious eye irritation H335 - May cause respiratory irritation	P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves/protective clothing and eye/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P362 - Remove contaminated clothing P403 + P233 - Store in a well-ventilated area. Keep the container tightly closed
52	NewStabil [™] (AVAEXTMP)	Fluid stabilizer	Drilling fluid	tons	110	H312 - Harmful in contact with skin H314 - Causes severe skin burns and eye damage H332 - Harmful if inhaled H335 - May cause respiratory irritation H412 - Harmful to the aquatic environment with long-term effects	P260 - Do not breathe dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing and eye/face protection P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. wash skin with water [or shower] P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor
53	AVAPERM NF	Deposit inhibitor	Drilling fluid	tons	330	H302 - Harmful if swallowed H312 - Harmful in contact with skin H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H331 - Toxic if inhaled H332 - Harmful if inhaled H335 - May cause respiratory irritation	P260 - Do not breathe dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing and eye/face protection P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. wash skin with water [or shower] P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor P321 - Specific treatment (see additional first aid instructions on this label) P403 + P233 - Store in a well-ventilated area. Keep the container tightly closed

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
54	AVATENSIO LT	unlocking agent	Drilling fluid	tons	22	<p>H304 - May be fatal if swallowed and enters airways</p> <p>H315 - Causes skin irritation</p> <p>H317 - May cause an allergic skin reaction</p> <p>H318 - Causes serious eye damage</p> <p>H412 - Harmful to the aquatic environment with long-term effects</p> <p>EUH066 - Repeated exposure may cause skin drying or cracking</p>	<p>P280 - Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P333 + P313 - In case of skin irritation or rash: seek medical advice</p> <p>P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing</p> <p>P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor</p> <p>P331 - DO NOT induce vomiting</p> <p>P273 - Avoid release to the environment</p>
55	BY BLOCK'S LT	Unlocking agent	Drilling fluid	tons	22	<p>H314 - Causes severe skin burns and eye damage</p> <p>H317 - May cause an allergic skin reaction</p> <p>H410 - Very toxic to the aquatic environment with long-term effects</p>	<p>P260 - Do not breathe dust/fume/gas/mist/vapour/spray</p> <p>P273 - Avoid release to the environment</p> <p>P280 - Wear protective gloves/protective clothing and eye/face protection</p> <p>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. wash skin with water [or shower]</p> <p>P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing</p> <p>P310 - Immediately call a POISON CENTER or doctor</p> <p>P321 - Specific treatment (see .? on this label)</p> <p>P391 - Collect spilled product</p>
56	Microflow	Mixture of solvents	Drilling fluid	tons	22	<p>H302 - Harmful if swallowed</p> <p>H319 - Causes serious eye irritation</p> <p>H335 - May cause respiratory irritation</p> <p>H336 - May cause drowsiness or dizziness</p>	<p>P261 - Avoid breathing dust/fume/gas/mist/vapour/spray</p> <p>P264 - Wash face, hands and any exposed skin thoroughly after use</p> <p>P312 - Call a POISON CENTER or doctor if you feel unwell</p> <p>P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam for FIGHTING</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						H226 - Flammable liquid and vapour	P501 - Dispose of contents/container to an authorized waste disposal facility P210 - Keep away from heat sources, hot surfaces, sparks, flames and other sources of ignition. No Smoking P370 + P378 - In case of fire: use dry sand, dry chemicals or alcohol-resistant foam to extinguish P403 + P235 - Store in a well-ventilated area. Keep cool
57	NanoFIX™	Fluid loss control additive	Drilling fluid	tons	330	H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation	P261 - Avoid breathing dust/fume/gas/mist/vapour/spray P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves and eye/face protection P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor P331 - DO NOT induce vomiting
58	AVAMICA FMC	Material return loss	Used to closes the microfractures from formations to prevent loss of non-aqueous drilling fluid	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
59	SAND SEAL	Agent of warping	Used to close the pores in permeable formations to prevent fluid loss of non-water drilling	tons	220	Chemical product classified as non-hazardous.	P261 - Avoid breathing dust
60	GRANULAR FMC	Material return loss	Used to close the pores in permeable formations to prevent fluid loss of non-water drilling	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
61	PreFIX™	Material return loss	Used to close the pores in permeable formations to prevent loss of bowel fluid	tons	110	H351 - Suspected of causing cancer	P260 - Do not breathe dust/fume/gas/mist/vapour/spray P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves/protective clothing/eye protection/face protection P304 + P340 - IF INHALED: move person to fresh air and keep in a comfortable position for breathing P403 + P233 - Store in a well-ventilated area. Keep the container tightly closed
62	ProppFIX™	Material return loss	Used to close the pores in permeable formations to prevent loss of drilling fluid	tons	110	H351 - Suspected of causing cancer	P260 - Do not breathe dust/fume/gas/mist/vapour/spray P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves/protective clothing/eye protection/face protection P304 + P340 - IF INHALED: move person to fresh air and keep in a comfortable position for breathing P403 + P233 - Store in a well-ventilated area. Keep the container tightly closed
63	FracFIX™	Additive for the mechanical stability of the borehole	Drilling fluid	tons	55	H312 - Harmful in contact with skin H330 - Fatal if inhaled H351 - Suspected of causing cancer	P260 - Do not breathe dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection P304 + P340 - IF INHALED: move person to fresh air and keep in a comfortable position for breathing P310 - Immediately call a POISON CENTER or doctor P321 - Specific treatment (see additional first aid instructions on this label) P403 + P233 - Store in a well-ventilated area. Keep the container tightly closed
64	Portland cement	Cement class C	2-Supports the tube in the well and prevents the migration of fluids between the tube and the well	tons	0.1	H315 - Causes skin irritation H318 - Causes serious eye damage H335 - May cause respiratory irritation	P280 Wear protective gloves/protective clothing/goggles. P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							<p>P302+P352+P333+P313- IF ON SKIN: Wash with plenty of soap and water. If skin irritations and rashes occur: Seek medical advice/help.</p> <p>P261+P304+P340+P312 Avoid inhalation of powder. IF INHALED : Remove victim to fresh air and place in a comfortable position where they can breathe easily. In case of discomfort call SUBSTANCE INFORMATION CENTER TOXIC or see a doctor.</p> <p>P102 is not allowed to be accessible to children.</p> <p>P501 Contents/Container should be taken to an appropriate waste collection point.</p>
65	Portland cement	Cement class G	3-Supports the tube in the well and prevents the migration of fluids between the tube and the well	tons	0.1	<p>H315 - Causes skin irritation</p> <p>H318 - Causes serious eye damage</p> <p>H335 - May cause respiratory irritation</p>	<p>P280 Wear protective gloves/protective clothing/goggles.</p> <p>P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing</p> <p>P302+P352+P333+P313- IF ON SKIN: Wash with plenty of soap and water. If skin irritations and rashes occur: Seek medical advice/help.</p> <p>P261+P304+P340+P312 Avoid inhalation of powder. IF INHALED : Remove victim to fresh air and place in a comfortable position where they can breathe easily. In case of discomfort call SUBSTANCE INFORMATION CENTER TOXIC or see a doctor.</p> <p>P102 is not allowed to be accessible to children.</p> <p>P501 Contents/Container should be taken to an appropriate waste collection point.</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
66	BARITE	Weighting additive	4-Increases the density of the cement slurry	tons	500	H351 - Suspected of causing cancer if inhaled H373 - May cause damage to organs through prolonged or repeated exposure if inhaled	P201 - Obtain special instructions before use P202 - Do not handle until all safety measures have been read and understood P260 - Do not breathe dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or likely to be exposed: seek medical advice P314 - Get medical attention if you feel unwell
67	LIQUID CALCIUM CHLORIDE	Additive/accelerated	5-Reduces cement thickening time	m ³ _	20	H319 - Causes serious eye irritation	P264 - Wash your face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves/protective clothing/eye protection/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse P337 + P313 - If eye irritation persists: consult a doctor
68	CFR-3	Friction reducer for cement	2-Reduces the friction between the cement slurry and the well string	m ³	50	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
69	CFR-3L	Friction reducer for cement	2-Reduces the friction between the cement slurry and the well string	m ³	50	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
70	ECONOLITE LIQUID	Additive for light cements	2-Used in low density cement slurry	m ³ _	50	H315 - Causes skin irritation H318 - Causes serious eye damage	P264 - Wash your face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves/eye protection/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							of contact, if applicable and if this can be done easily. Continue to rinse P310 - Immediately call a POISON CENTER or doctor P332 + P313 - In case of skin irritation: consult a doctor
1	HR-4L	Cement Set Retarder	2-Increasing the cement thickening time	m ³	10	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
2	MICRO MATRIX [®] CEMENT	Cement	2-Supports the tube in the well and prevents the migration of fluids between the tube and the well	s ton	0.1	H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H335 - May cause respiratory irritation	P280 - Wear eye/face protection P302+P352- IF ON SKIN: wash with plenty of water... P333 + P313 - In case of skin irritation or rash: seek medical advice P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath. P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the contact lenses, if necessary and if this can be done easily. Continue to rinse P310 - Immediately call a POISON CENTER or doctor
73	SOLVENT SOLVENT	Solvent	2-Solvent used in spacing	m ³	30	H302 - Harmful if swallowed H312 - Harmful in contact with skin H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled	P280 - Wear protective gloves/eye protection/face protection P301 + P312 - IF SWALLOWED: call a POISON CENTER or doctor if you feel unwell P302+P352- IF ON SKIN : wash with plenty of water... P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath. P312 - Call a POISON CENTER or doctor if you feel unwell P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse
74	SCR-100L	Lingering	2-Increasing the cement thickening time	m ³ _	10	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
75	LIQUID SILICALITE	Additive for light cements	2-Used in low density cement slurry	m ³ _	60	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
76	CEMENT - CLASS G LAFARGE	Class G cement	2-Supports the tube in the well and prevents the migration of fluids between the tube and the well	tons	10000	H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H335 - May cause respiratory irritation H351 - Suspected of causing cancer if inhaled H373 - May cause damage to organs through prolonged or repeated exposure if inhaled	P264 - Wash your face, hands and any exposed skin thoroughly after use P280 - Wear protective gloves/protective clothing/eye protection/face protection P333 + P313 - In case of skin irritation or rash: seek medical advice P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse P310 - Immediately call a POISON CENTER or doctor
77	NF-6	foaming	2-Prevents the formation of cement foam during mechanical mixing	m ³ _	10	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
78	GASTOP LIQUID	Gas blocking material	2-Prevents gaseous hydrocarbons from entering the cement while the cement hardens	m ³ _	30	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
79	HALAD® 300L NS	Additive for fluid loss	2-Reduces the loss of free water from the cement	m ³ _	60	H317 - May cause an allergic skin reaction H350 - May cause cancer EUH071 - Corrosive to respiratory tract	P201 - Obtain special instructions before use P261 - Avoid breathing dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or likely to be exposed: seek medical advice P333 + P313 - In case of skin irritation or rash: seek medical advice
80	MICROBOND HT NS	Cementing additive	2-Material to increase the outlet	m ³ _	5	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
81	SEM-1205	surfactants	2-Makes the chemical particles disperse in the water	m ³	30	H315 - Causes skin irritation H318 - Causes serious eye damage	P273 - Avoid release to the environment P280 - Wear protective gloves/eye protection/face protection P302+P352- IF ON SKIN : wash with plenty of water... P332 + P313 - In case of skin irritation: consult a doctor

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						H412 - Harmful to the aquatic environment with long-term effects	P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse P310 - Immediately call a POISON CENTER or doctor
82	ECOSPACER II	Maintenance Agent in Suspension	2-Environmental viscosifying agent for increasing spacer viscosity at low concentrations	m ³ _	5	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
83	LATEX 4000	Additive	2-Liquid loss reducer, anti-gas migration, lower ECD	m ³ _	10	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
84	C-Dye 530	Additive	3-UV lead tracing dye	m ³ _	5	H373 – May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed	P260-Do not breathe mist or vapour P314-Get medical attention if you feel unwell P501-Dispose of contents/container to an authorized waste disposal facility
85	CleanTrol™	Fluid loss control additive	3-Preservation fluid	tons	110	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
86	CleanTrol™ HD	Fluid loss control	3 - Preservation fluid	tons	The same amount as with CleanTrol if it is decided to use it	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
87	Deoxy DEHA	Oxygen inhibitor	3-preservation fluid	tons	55	H412 - Harmful to the aquatic environment with long-term effects	P273 - Avoid release to the environment P501 - Dispose of contents/container to an authorized waste disposal facility
88	NALCO®73500	BIOCIDAL	3 – preservation fluid Prevents bacterial growth in brine fluids	tons	44	H302 + H332 Harmful if swallowed or inhaled. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.	P261 Avoid breathing dust/fume/gas/mist/vapour/spray. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection / face protection/ hearing protection. P284 If ventilation is inadequate wear respiratory protection. Answer: P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse your mouth. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						H412 Harmful to the aquatic environment with long-term effects.	
89	INCORR	Corrosion inhibitor	3 – preservation fluid	tons	55	H319 - Causes serious eye irritation H412 - Harmful to the aquatic environment with long-term effects	P264 - Wash face, hands and any exposed skin thoroughly after use P273 - Avoid release to the environment P280 - Wear eye/face protection P337 + P313 - If eye irritation persists: Get medical advice P501 - Dispose of contents/container to an authorized waste disposal facility
90	Calcium Bromide	Weighing material for brine	3-Preservation fluid	tons	165	H318 - Causes serious eye damage	P280 - Wear protective gloves/protective clothing/eye protection/face protection P302 + P352 - IF ON SKIN: wash with plenty of soap and water P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor P501 - Dispose of contents/container to an authorized waste disposal facility
91	Calcium Bromide Brine	Brine base	3-Preservation fluid	tons	1045	H318 - Causes serious eye damage	P280 - Wear eye/face protection P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor
92	Potassium Chloride	shale inhibitor	3-Preservation fluid	tons	1100	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
93	AVA K 157	Source of K ⁺ ions	3- shale stabilizer	tons	The same amount as for CaBr ₂ if it is decided to replace the brine	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
94	Potassium Formate	Source of K ⁺ ions	3- shale stabilizer	tons	The same amount as for CaBr ₂ if it is	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
					decided to replace the brine		
95	Sodium Formate Brine	Filling brine	3- preservation fluid	tons	The same amount as for CaBr ₂ if it is decided to replace the brine	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
96	N-FLOW™ 3 25	Breaker	3-Dissolve NADF mud cake	m ³ _	248.6	H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage	P280 - Wear protective gloves/eye protection/face protection P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse the skin with water [or take a shower]. P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath. P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse P310 - Immediately call a POISON CENTER or doctor P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
97	ORCA™ 4	Breaking surfactant	3-Preservation fluid	tons	11	H302 - Harmful if swallowed H315 - Causes skin irritation H318 - Causes serious eye damage H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H411 - Toxic to the aquatic environment with long-term effects H226 - Flammable liquid and vapour	P210 - Keep away from heat sources, hot surfaces, sparks, flames and other sources of ignition. No Smoking P273 - Avoid release to the environment P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor P370 + P378 - In case of fire: Use dry chemical, CO ₂ , water spray or alcohol-resistant foam for FIGHTING P391 - Collect spilled product

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
98	ORCA™ A	Precursor acid breaker	3 - preservation fluid	tons	11	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
99	ORCA™ B	Precursor acid breaker	3 - preservation fluid	tons	11	H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage	P260 - Do not breathe dust/fume/gas/mist/vapour/spray P280 - Wear protective gloves/protective clothing and eye/face protection P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. wash skin with water [or shower] P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing P310 - Immediately call a POISON CENTER or doctor P331 - DO NOT induce vomiting
100	ORCA™ E	Precursor acid breaker	3 - preservation fluid	tons	11	H319 - Causes serious eye irritation	P264 - Wash face, hands and any exposed skin thoroughly after use P280 - Wear eye/face protection P337 + P313 - If eye irritation persists: Get medical advice
101	SOLVENT SOLVENT	Tubing Pickle – Solvent	3-Removes pipe deposits and OBM from the drill pipe.	m³ _	1.1	H302 Harmful if swallowed H312 Harmful in contact with skin H315 Causes skin irritation H319 Causes serious eye irritation H332 Harmful if inhaled	P280 - Wear protective gloves/protective clothing and eye/face protection P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P302+P352 IF ON SKIN: wash with plenty of water P304 + P340 - IF INHALED: move the person to fresh air and keep him in a comfortable position for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses from contact, if appropriate and if this can be done easily. Continue rinsing
102	DCA-17006	Corrosion Inhibitor (Pickle)	3 - preservation fluid	m³ _	0.22	H224 - Extremely flammable liquid and vapor H290 - May be corrosive to metals H302 - Harmful if swallowed	P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H331 - Toxic if inhaled H335 - May cause respiratory irritation H371 - May cause damage to organs H411 - Toxic to the aquatic environment with long-term effects	Rinse the skin with water [or take a shower]. P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath. P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse P308 + P313 - IF exposed or likely to be exposed: seek medical advice
103	HCL Acid Base	Tubing Pickle - acid	3- Preservation fluid Removes rust deposits from drill pipe.	m ³ _	9.68	H290 - May be corrosive to metals H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation	P280 - Wear protective gloves/eye protection/face protection P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse the skin with water [or take a shower]. P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath. P310 - Immediately call a POISON CENTER or doctor P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
104	AVAWASH 500	Casing Detergent	3 – Preservation fluid	tons	22	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
105	Natrosol™ 250 HHRP Hydroxyethylcellulose™	viscosifier	3 - Preservation fluid	tons	11	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
106	Methanol K46	Hydrate inhibitor	3 - Preservation fluid	tons	11	H301 - Toxic if swallowed H311 - Toxic in contact with skin H331 - Toxic if inhaled	P210 - Keep away from heat sources, hot surfaces, sparks, flames and other sources of ignition. No Smoking P260 - Do not breathe dust/fume/gas/mist/vapour/spray

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						<p>H370 - Causes damage to organs</p> <p>H225 - Highly flammable liquid and vapour</p>	<p>P280 - Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor</p> <p>P304 + P340 - IF INHALED: move victim to fresh air and keep at rest in a comfortable position for breathing</p> <p>P501 - Dispose of contents/container in accordance with local, regional, national and international regulations as applicable</p>
107	Monoethylene Glycol (MEG)	Hydrate inhibitor	3 - Preservation fluid	tons	385	<p>H302 - Harmful if swallowed</p> <p>H373 - May cause damage to organs through prolonged or repeated exposure</p>	<p>P260 - Do not breathe dust/fume/gas/mist/vapour/spray</p> <p>P264 - Wash face, hands and any exposed skin thoroughly after use</p> <p>P270 - Do not eat, drink or smoke while using the product</p> <p>P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell</p> <p>P314 - Consult a doctor if you feel unwell</p> <p>P501 - Dispose of contents/container to an authorized waste disposal facility</p>
108	BaraCide W-960	DFS-GFP - Biocide	3-Control of bacteria in water-based fluids	m ³	1.32	<p>H302 - Harmful if swallowed</p> <p>H314 - Causes severe skin burns and eye damage</p> <p>H373 - May cause damage to organs through prolonged or repeated exposure</p> <p>H400 - Very toxic to aquatic life</p> <p>H411 - Toxic to the aquatic environment with long-term effects</p>	<p>P260 - Do not breathe dust/fume/gas/mist/vapour/spray</p> <p>P264 - Wash your face, hands and any exposed skin thoroughly after use</p> <p>P270 - Do not eat, drink or smoke while using the product</p> <p>P273 - Avoid release to the environment</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.</p> <p>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse the skin with water [or take a shower].</p> <p>P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath.</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							<p>P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse</p> <p>P310 - Immediately call a POISON CENTER or doctor</p> <p>P391 - Collect spilled product</p>
109	HT BREAKER	(DFS-GFP – Breaker)	3-preservation fluid	m ³ _	0.7	<p>H242 - Fire hazard if heated</p> <p>H226 - Flammable liquid and vapor</p> <p>H302 - Harmful if swallowed</p> <p>H311 - Toxic in contact with skin</p> <p>H314 - Causes severe skin burns and eye damage</p> <p>H317 - May cause an allergic skin reaction</p> <p>H318 - Causes serious eye damage</p> <p>H330 - Fatal if inhaled</p> <p>H335 - May cause respiratory irritation</p> <p>H341 - Susceptible to causing genetic abnormalities</p> <p>H351 - Suspected of causing cancer</p> <p>H411 - Toxic to the aquatic environment with long-term effects</p>	<p>P210 - Keep away from heat sources, hot surfaces, sparks, flames and other sources of ignition. No Smoking.</p> <p>P234 - Keep only in original container.</p> <p>P260 - Do not breathe dust/fume/gas/mist/vapour/spray</p> <p>P273 - Avoid release to the environment</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse the skin with water [or take a shower].</p> <p>P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath.</p> <p>P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse</p> <p>P310 - Immediately call a POISON CENTER or doctor</p> <p>P370 + P378 - In case of fire: use dry sand, dry chemicals or alcohol-resistant foam for extinguishing</p> <p>P391 - Collect spilled product</p> <p>P403 + P233 - Store in a well-ventilated area. Keep the container tightly closed</p>
110	K-34	DFS-GFP - Buffer	3-PH control	tons	132.0	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
111	DCA-22001	DFS-GFP - Surfactant	3-Used to modify the rheology of brine make-up fluids.	m ³ _	1.3	<p>H225 - Highly flammable liquid and vapor</p> <p>H315 - Causes skin irritation</p>	<p>P210 - Keep away from heat sources, hot surfaces, sparks, flames and other sources of ignition. No Smoking</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection</p>

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
						H318 - Causes serious eye damage H336 - May cause drowsiness or dizziness H400 - Very toxic to aquatic life H412 - Harmful to the aquatic environment with long-term effects	P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath. P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse P310 - Immediately call a POISON CENTER or doctor
12	DCA-25006	DFS-GFP - Xanthan	3-Viscosifier	tons	105.6	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
113	DCA-25017	KMAX - HEC	3-additive	ton s	33.0	H412 - Harmful to the aquatic environment with long-term effects	P273 - Avoid release to the environment P501 - Dispose of contents/container to an approved waste disposal facility
114	DCA-19004	KMAX - Xlink	3-crosslinking agent	m ³ _	2.75	Chemical product classified as non-hazardous.	Chemical product classified as non-hazardous.
115	BaraSure™ W-674	Clay control	3-Clay inhibitor for water-based fluids	m ³ _	13.2	H302 - Harmful if swallowed H312 - Harmful in contact with skin H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H335 - May cause respiratory irritation H412 - Harmful to the aquatic environment with long-term effects	P280 - Wear protective gloves/protective clothing/eye protection/face protection P301 + P312 - IF SWALLOWED: call a POISON CENTER or doctor if you feel unwell P302+P352: IF ON SKIN: wash with plenty of water P304 + P340 - IF INHALED: move person to fresh air and keep him in a comfortable position for breath. P305 + P351 + P338 - IF IN EYES: Rinse carefully with water for several minutes. Remove the lenses of contact, if applicable and if this can be done easily. Continue to rinse P310 - Immediately call a POISON CENTER or doctor
116	Transaqua HT2	BOP control, anti-freeze control and protection	4-Transmitting pressure to close and open BOP frames and valves	m ³ _	2.8	H302 - Harmful if swallowed. H373 - May cause damage to organs through prolonged or repeated exposure	P260 - Do not breathe vapour. P270 - Do not eat, drink or smoke while using the product. P264 - Wash hands thoroughly after handling. P314 - Get medical attention if you feel unwell.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Risk phrases	Precautionary and safety phrases
							P301 + P312 , P330 - IF SWALLOWED: Call an INFORMATION CENTER TOXICOLOGICAL CENTER or a doctor if you feel unwell. Rinse your mouth. P501 - Dispose of contents and container in accordance with all local, regional, national and international.
117	PELAGIC 100 H	Hydraulic fluid for underwater control system	5 - SPS	m ³ _	0.6	H302-Harmful if swallowed. H315-Causes skin irritation. H319 - Causes serious eye irritation . H373-May cause damage to organs through prolonged or repeated exposure.	P260 - Do not breathe vapour P280 Wear protective gloves/ protective clothing/ equipment of eye protection/ protective equipment of the face P314 Get medical advice if you feel unwell. P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell. Rinse your mouth P501 Dispose of contents/container to an authorized waste disposal facility

3. List of chemical substances and preparations in the operational stage

List of substances and chemical preparations estimated during the period of operation

No. crt	Name of the chemical product	Description	Use	UM	Amount	Phrases of risk and danger	Precautionary and safety phrases
1	Methanol	Hydrate inhibitor	Restart probes	m ³ /well	16	H225 Highly flammable liquid and vapour. H301 + H311 + H331 Toxic if swallowed, in contact with skin or by inhalation. H370 Causes damage to organs (Eyes).	P210 Keep away from heat sources, hot surfaces, sparks, flames and other sources of ignition. No Smoking. P260 Do not breathe dust/fume/gas/mist/vapor/spray. P280 Wear protective gloves/ protective clothing/ equipment of eye protection/ protective equipment of the face. P301 + P310 + P330 IF SWALLOWED: Call a CALLING CENTER immediately TOXICOLOGICAL / a doctor. Rinse your mouth. P303 + P361 + P353 IF ON SKIN (or with hair): Remove all immediately contaminated clothing. Rinse the skin with water. P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep person in comfortable position for breathing. Call to a TOXICOLOGICAL INFORMATION CENTER / a doctor.
2	CORR12452A	Corrosion inhibitor	Used for ensuring flow rate (injected at the head of eruption).	m ³ /year	18.8	H302 + H312 + H332 Harmful if swallowed, in contact with skin or by inhalation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation .	P260 Do not breathe dust/fume/gas/mist/vapor/spray. P273 Avoid release to the environment. P301 + P312 + P330 IF SWALLOWED: Call an INFORMATION CENTER TOXICOLOGICAL/ a doctor if not you feel good Rinse your mouth.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Phrases of risk and danger	Precautionary and safety phrases
						H373 May cause damage to organs in case of prolonged or repeated exposure. H412 Harmful to the aquatic environment with effects on long term.	P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a CENTER OF TOXICOLOGICAL INFORMATION/ un doctor if you feel unwell. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep in comfortable position for breathing. Call at an INFORMATION CENTER TOXICOLOGICAL/ a doctor if not you feel good P305 + P351 + P338 IF IN EYES: Rinse thoroughly with water for several times minutes. Remove contact lenses, if if this is the case and if this can be done easily. Continue rinsing.
3	SCAL13370A	Deposit inhibitor	Used for ensuring flow rate (injected at the head of eruption).	m ³ /year	8.7	H373 May cause damage to organs through prolonged or repeated exposure.	P260 Do not breathe dust/fume/gas/mist/ vapor/spray. P314 Get medical advice if you feel unwell. P501 Dispose of contents/container to an authorized waste disposal facility.
4	AFMR20400A	foaming	Used for ensuring flow rate (injected at the head of eruption).	m ³ /year	5.8	H312 + H332 Harmful in contact with skin or by inhalation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.	P261 Avoid breathing dust/fume/gas/ mist/vapour/spray. P280 Wear protective gloves/ protective clothing/ equipment of eye protection/ protective equipment face/hearing protection. P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ un doctor if you feel unwell. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep in comfortable position for breathing. Call an INFORMATION CENTER TOXICOLOGICAL/ a doctor if not you

No. crt	Name of the chemical product	Description	Use	UM	Amount	Phrases of risk and danger	Precautionary and safety phrases
							feel good P305 + P351 + P338 IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses, if applicable and if this can be done easily. Continue rinsing.
5	Triethylene Glycol	Gas dehydration	Used for gas dehydration system.	-	N/A	Chemical product classified as non-hazardous.	P314 Get medical advice if you feel unwell. P401 Store in accordance with local legislation.
6	Sodium hypochlorite	Cooling water treatment	Inhibitor of marine organisms	m ³ /year	5.8	H290 May be corrosive to metals H314 Causes severe skin burns and eye damage H411 Toxic to the aquatic environment with long-term effects EUH031 In contact with acids, liberates a toxic gas.	P234 Keep only in original container. P260 Do not breathe /vapour/spray P264 Wash face, hands and any exposed skin thoroughly after use P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep person comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P391 Collect spillage.

No. crt	Name of the chemical product	Description	Use	UM	Amount	Phrases of risk and danger	Precautionary and safety phrases
							P405 Warehouse closed. P406 Store in a corrosion-resistant container with a strong inner liner. P501 Dispose of contents/container to an authorized waste disposal facility EUH031 In contact with acids, liberates a toxic gas.
7	Pelagic 100 H	Underwater hydraulic fluid - aqueous actuation fluid	Actuation liquid for underwater valves	m ³ /year	7	H302 Harmful if swallowed H319 Causes serious eye irritation . H315 Causes skin irritation. H373 May cause damage to organs through prolonged or repeated exposure.	P260 - Do not breathe vapour P280 Wear protective gloves/ protective clothing/ equipment of eye protection/ protective equipment of the face P314 Get medical advice if you feel unwell. P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell. Rinse your mouth P501 Dispose of contents/container to an authorized waste disposal facility