



Cloughton 2 Wellsite

Safety Data Sheet Inventory

Environmental Permitting (England and Wales) Regulations 2016

- **Application for a Bespoke Mining Waste Operation**
- **Application for a Bespoke Installation**
- **Application for a Bespoke Groundwater Activity**



Europa Oil & Gas Limited
Cloughton 2 Wellsite
Safety Data Sheet Inventory

Issue Number: 250912

Issue Number:	Details:	Prepared By:	Reviewed By:	Authorised By:
250207	Draft for Client Review	Tony Fildes (Zetland Group)	Jamie McGill (Europa)	Alastair Stuart (Europa)
250424	Initial issue for an Application for a Mining Waste Operation with Flare, a Mining Waste Facility and a Groundwater Activity	Tony Fildes (Zetland Group)	Jamie McGill (Europa)	Alastair Stuart (Europa)
250912	Revised following update on chemicals: 1. Updated Soltex E SDS. 2. Provision of Soltex E CEFAS Certificate. 3. Removal of ULTRAFREE SDS - replaced with ULTRAFREE NS. 4. Provision of SOBO S GOLD 08 CEFAS Certificate.	Tony Fildes (Zetland Group)	Jamie McGill (Europa)	Alastair Stuart (Europa)



SAFETY DATA SHEET INVENTORY

Serial	Product	SDS Details
36 Inch Hole Section		
01	CAUSTIC SODA M2	M002, Version 6, 11/12/2023
02	M-I GEL	PID971, Version 5, 17/02/2020
03	M-I WATE	PID13503, Version 6, 08/03/2022
04	SODA ASH	PID1477, Version 11, 14/07/2023
17 ½ Inch Hole Section		
01	CAUSTIC SODA M2	M002, Version 6, 11/12/2023
02	DRILLING STARCH	PID2025, Version 3, 05/02/2020
03	M-I GEL	PID971, Version 5, 17/02/2020
04	M-I PAC (All Grades)	142408, Version 9, 21/12/2022
05	M-I WATE	PID13503, Version 6, 08/03/2022
06	SODA ASH	PID1477, Version 11, 14/07/2023
12 ¼ Inch Hole Section		
01	CAUSTIC SODA M2	M002, Version 6, 11/12/2023
02	CONQOR 404EH	PID20036, Version 5, 14/05/2024
03	DRILLING STARCH	PID2025, Version 3, 05/02/2020
04	DUO-VIS	PID510, Version 13, 03/03/2022
05	GLYDRIL MC	PID729, Version 10, 13/10/2022
06	GLYDRIL MC (MIL091)	144344, Version 1, 25/11/2021
07	M-I PAC (All Grades)	142408, Version 9, 21/12/2022
08	M-I WATE	PID13503, Version 6, 08/03/2022
09	NUOSEPT 78	Version 6.02, 16/11/2023
10	POTASSIUM CHLORIDE BRINE	PID1290, Version 13, 24/07/2023
11	POTASSIUM CHLORIDE	PID10258, Version 8, 14/06/2023
12	SAFE-CARB (All Grades)	PID1361, Version 11, 10/05/2023



Serial	Product	SDS Details
12 ¼ Inch Hole Section (cont.)		
13	SODA ASH	PID1477, Version 11, 14/07/2023
14	SODIUM CHLORIDE BRINE	PID1103, Revision 7, 26/07/2020
15	SODIUM CHLORIDE POWDER	PID1422, Version 11, 14/06/2023
8 ½ Inch Hole Section		
01	CAUSTIC SODA M2	M002, Version 6, 11/12/2023
02	CONQOR 404EH	PID20036, Version 5, 14/05/2024
03	DRILLING STARCH	PID2025, Version 3, 05/02/2020
04	DUO-VIS	PID510, Version 13, 03/03/2022
05	GLYDRIL MC	PID729, Version 10, 13/10/2022
06	GLYDRIL MC (MIL091)	144344, Version 1, 25/11/2021
07	M-I PAC (All Grades)	142408, Version 9, 21/12/2022
08	M-I WATE	PID13503, Version 6, 08/03/2022
09	NUOSEPT 78	Version 6.02, 16/11/2023
10	POTASSIUM CHLORIDE BRINE	PID1290, Version 13, 24/07/2023
11	POTASSIUM CHLORIDE	PID10258, Version 8, 14/06/2023
12	SAFE-CARB (All Grades)	PID1361, Version 11, 10/05/2023
13	SODA ASH	PID1477, Version 11, 14/07/2023
14	SODIUM CHLORIDE BRINE	PID1103, Revision 7, 26/07/2020
15	SODIUM CHLORIDE POWDER	PID1422, Version 11, 14/06/2023
6 Inch Hole Section		
01	CAUSTIC SODA M2	M002, Version 6, 11/12/2023
02	CONQOR 404EH	PID20036, Version 5, 14/05/2024
03	DRILLING STARCH	PID2025, Version 3, 05/02/2020
04	DUO-VIS	PID510, Version 13, 03/03/2022



Serial	Product	SDS Details
6 Inch Hole Section (cont.)		
05	GLYDRIL MC	PID729, Version 10, 13/10/2022
06	GLYDRIL MC (MIL091)	144344, Version 1, 25/11/2021
07	M-I PAC (All Grades)	142408, Version 9, 21/12/2022
08	M-I WATE	PID13503, Version 6, 08/03/2022
09	NUOSEPT 78	Version 6.02, 16/11/2023
10	POTASSIUM CHLORIDE BRINE	PID1290, Version 13, 24/07/2023
11	POTASSIUM CHLORIDE	PID10258, Version 8, 14/06/2023
12	SAFE-CARB (All Grades)	PID1361, Version 11, 10/05/2023
13	SODA ASH	PID1477, Version 11, 14/07/2023
14	SODIUM CHLORIDE BRINE	PID1103, Revision 7, 26/07/2020
15	SODIUM CHLORIDE POWDER	PID1422, Version 11, 14/06/2023
Clean Up Fluids - Hi-Vis Pill		
01	DUO-VIS	PID510, Version 13, 03/03/2022
02	POTASSIUM CHLORIDE BRINE	PID1290, Version 13, 24/07/2023
03	POTASSIUM CHLORIDE SALT	PID10258, Version 8, 14/06/2023
Clean Up Fluids - Surfactant Wash Pill		
01	POTASSIUM CHLORIDE BRINE	PID1290, Version 13, 24/07/2023
02	POTASSIUM CHLORIDE SALT	PID10258, Version 8, 14/06/2023
03	SAFE-SURF EU	PID20170, Version 4, 11/03/2024
Clean Up Fluids - Surface Cleaning		
01	SOBO S GOLD 08	PAQ36-1000-01, Version 5.0.0, 13/11/2023
Clean Up Fluids - Inhibited Completion Fluid		
01	NUOSEPT 78	Version 6.02, 16/11/2023
02	POTASSIUM CHLORIDE BRINE	PID1290, Version 13, 24/07/2023



Serial	Product	SDS Details
Clean Up Fluids - Inhibited Completion Fluid (cont.)		
03	POTASSIUM CHLORIDE SALT	PID10258, Version 8, 14/06/2023
04	SAFE-COR	PID1370, Version 13, 30/08/2022
05	SAFE-SCAV HSN	PID17341, Version 6, 08/09/2023
06	SAFE-SCAV NA	PID1392, Version 12, 25/10/2022
Drilling Fluid - Contingency Products		
01	CAUSTIC SODA M2	M002, Version 6, 11/12/2023
02	Citric Acid	PID360, Version 11, 01/11/2023
03	CONQOR 404EH	PID20036, Version 5, 14/05/2024
04	DEFOAM PLUS NS	PID18960, Version 5, 07/09/2023
05	DRILLING STARCH	PID2025, Version 3, 05/02/2020
06	DUO-VIS	PID510, Version 13, 03/03/2022
07	ECF-1882	144623, Version 1, 20/07/2022
08	FLOWZAN BIOPOLYMER	100000067137, Version 1.14, 21/10/2021
09	FORM-A-BLOK	PID16796, Version 4, 02/04/2024
10	FORM-A-BLOK AS	PID20006, Version 3, 10/01/2024
11	GLYDRIL MC	PID729, Version 10, 13/10/2022
12	GLYDRIL MC (MIL091)	144344, Version 1, 25/11/2021
13	G-SEAL (All Grades)	PID686, Version 11, 24/07/2023
14	G-SEAL PLUS	PID12351, Version 7, 12/10/2022
15	G-SEAL PLUS COARSE	PID16789, Version 4, 07/07/2023
16	KWIKSEAL (All Grades)	Revision 1.1, 21/03/2011
17	LIME	PID904, Version 10, 16/07/2024
18	MB-5111	PID14495, Version 9, 30/12/2022
19	M-I GEL	PID971, Version 5, 08/09/2023
20	M-I PAC (All Grades)	142408, Version 9, 21/12/2022



Serial	Product	SDS Details
Drilling Fluid - Contingency Products (cont.)		
21	M-I WATE	PID13503, Version 6, 08/03/2022
22	M-I-X 11 (All Grades)	PID11307, Version 10, 12/12/2022
23	NUOSEPT 78	Version 6.02, 16/11/2023
24	NUTPLUG (Fine, Medium, Coarse)	PID1146, Version 8, 18/02/2022
25	NUTSHELLS (All Grades)	PID14677, Version 8, 28/07/2023
26	POTASSIUM CHLORIDE BRINE	PID1290, Version 13, 24/07/2023
27	POTASSIUM CHLORIDE SALT	PID10258, Version 8, 14/06/2023
28	SAFE-CARB (All Grades)	PID1361, Version 11, 10/05/2023
29	SAFE-SCAV HSN	PID17341, Version 6, 08/09/2023
30	SAFE-SURF EU	PID20170, Version 4, 11/03/2024
31	SAPP	PID1436, Version 4, 11/11/2024
32	SODA ASH	PID1477, Version 11, 14/07/2023
33	SOBO S GOLD 08	PAQ36-1000-01, Version 5.0.0, 13/11/2023
34	SODIUM BICARBONATE	PID1483, Version 10, 08/10/2023
35	SOLTEX E ADDITTIVE	100000101140, Version 1.11, 01/03/2023
36	SUGAR	PID1537, Version 5, 26/07/2023
37	ULTRACAP (GBL091)	143150, Version 1, 07/02/2019
38	ULTRAFREE NS	PID11715, Version 10, 26/05/2025
39	ULTRAHIB	PID10482, Version 10, 24/06/2024
Proppant		
01	B390	21456GHSEU, 28/06/2012
02	B482	B482, Version 3, 15/11/2023
03	B512	B512, Version 1, 30/09/2015
04	J218	J218, Version 7, 28/04/2024
05	J353	J353, Version 4, 10/11/2020



Serial	Product	SDS Details
Proppant (cont.)		
06	J475	J475, Version 6, 22/04/2024
07	J480	J480, Version 7, 10/05/2021
08	J579C	J579C, Version 1, 15/04/2022
09	J580	J580, Version 5, 19/04/2024
10	J622C	J622C, Version 1, 13/05/2022
11	L071	L071, Version 5, 24/05/2023
12	S100	S100, Version 7, 08/09/2017
13	S626-2040	S626-2040, Version 1, 09/03/2020
14	S810	Data Sheet - S810
Cefas Documentation		
01	DEFOAM PLUS NS	25228, Version 8, Expiry 23/01/2028
02	SAFE-COR	2496, Version 14, Expiry 04/03/2026
03	SOLTEX E ADDITIVE	25076, Version 8, Expiry 16/03/2027
04	SOBO S GOLD 08	23125, Version 14, Expiry 03/07/2026