

Chemical Inventory - Wressle 2 - Water Based Drilling Fluids

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
24" Hole Section - Water Based Mud - Primary									
Caustic Soda M2	pH Modifier.	1823	8	Sodium Hydroxide	60-100	1310-73-2	H290, H314, H318	Not Classified	M002, Version 6, 11/12/2023
Duo-Vis NS	Viscosifier.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID2262, Version 6, 05/07/2023
Soda Ash	pH Modifier.	N/A	N/A	Sodium Carbonate	60-100	497-19-8	H319	Not Classified	PID1477, Version 11, 14/07/2023
Water	Base Component.	N/A	N/A	Water	100	7732-18-5	Not Classified	Not Classified	N/A
16" Hole Section - Water Based Mud - Primary									
M-I Gel (Bentonite)	Viscosifier.	N/A	N/A	Crystalline Silica (impurity)	<10	14808-60-7	Not Classified	Not Classified	PID971, Version 5, 08/09/2023
Caustic Soda M2	pH Modifier.	1823	8	Sodium Hydroxide	60-100	1310-73-2	H290, H314, H318	Not Classified	M002, Version 6, 11/12/2023
Soda Ash	pH Modifier.	N/A	N/A	Sodium Carbonate	60-100	497-19-8	H319	Not Classified	PID1477, Version 11, 14/07/2023
Water	Base Component.	N/A	N/A	Water	100	7732-18-5	Not Classified	Not Classified	N/A
12 1/4" Hole Section - Water Based Mud - Primary									
Caustic Soda M2	pH Modifier.	1823	8	Sodium Hydroxide	60-100	1310-73-2	H290, H314, H318	Not Classified	M002, Version 6, 11/12/2023
Drilling Starch	Fluid Loss Reducer.	N/A	N/A	Starch	60-100	Proprietary	Not Classified	Not Classified	PID2025, Version 3, 05/02/2020
Duo-Vis NS	Viscosifier.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID2262, Version 6, 05/07/2023
Flo-Trol	Filtration Control.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID620, Version 7, 02/05/2022
M-I PAC (All Grades)	Fluid Loss Reducer. Viscosifier.	N/A	N/A	Polyanionic cellulose	60-100	Proprietary	Not Classified	Not Classified	142408, Version 9, 21/12/2022
Potassium Chloride	Drilling Fluid Additive. Completion Fluid Additive.	N/A	N/A	Potassium Chloride	60-100	7447-40-7	Not Classified	Not Classified	PID10258, Version 8, 14/06/2023
Safe-Carb (All Grades)	Lost Circulation Material. Weighting Agent. Bridging Material.	N/A	N/A	Calcium Carbonate	60-100	471-34-1	Not Classified	Not Classified	PID 1361, Rev 11, 10/05/2023
				Crystalline Silica (impurity)	<1	14808-60-7	H373	Not Classified	
Sodium Chloride Powder (salt)	Additive.	N/A	N/A	Sodium chloride	60-100	7647-14-5	Not Classified	Not Classified	PID1422, Version 11, 14/06/2023
Soda Ash	pH Modifier.	N/A	N/A	Sodium Carbonate	60-100	497-19-8	H319	Not Classified	PID1477, Version 11, 14/07/2023
Water	Base Component.	N/A	N/A	Water	100	7732-18-5	Not Classified	Not Classified	N/A

Chemical Inventory - Wressle 3 - Water Based Drilling Fluids

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
24" Hole Section - Water Based Mud - Primary									
Caustic Soda M2	pH Modifier.	1823	8	Sodium Hydroxide	60-100	1310-73-2	H290, H314, H318	Not Classified	M002, Version 6, 11/12/2023
Duo-Vis NS	Viscosifier.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID2262, Version 6, 05/07/2023
Soda Ash	pH Modifier.	N/A	N/A	Sodium Carbonate	60-100	497-19-8	H319	Not Classified	PID1477, Version 11, 14/07/2023
Water	Base Component.	N/A	N/A	Water	100	7732-18-5	Not Classified	Not Classified	N/A
16" Hole Section - Water Based Mud - Primary									
M-I Gel (Bentonite)	Viscosifier.	N/A	N/A	Crystalline Silica (impurity)	<10	14808-60-7	Not Classified	Not Classified	PID971, Version 5, 08/09/2023
Caustic Soda M2	pH Modifier.	1823	8	Sodium Hydroxide	60-100	1310-73-2	H290, H314, H318	Not Classified	M002, Version 6, 11/12/2023
Soda Ash	pH Modifier.	N/A	N/A	Sodium Carbonate	60-100	497-19-8	H319	Not Classified	PID1477, Version 11, 14/07/2023
Water	Base Component.	N/A	N/A	Water	100	7732-18-5	Not Classified	Not Classified	N/A
12 1/4" Hole Section - Water Based Mud - Primary									
Caustic Soda M2	pH Modifier.	1823	8	Sodium Hydroxide	60-100	1310-73-2	H290, H314, H318	Not Classified	M002, Version 6, 11/12/2023
Drilling Starch	Fluid Loss Reducer.	N/A	N/A	Starch	60-100	Proprietary	Not Classified	Not Classified	PID2025, Version 3, 05/02/2020
Duo-Vis NS	Viscosifier.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID2262, Version 6, 05/07/2023
Flo-Trol	Filtration Control.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID620, Version 7, 02/05/2022
M-I PAC (All Grades)	Fluid Loss Reducer. Viscosifier.	N/A	N/A	Polyanionic cellulose	60-100	Proprietary	Not Classified	Not Classified	142408, Version 9, 21/12/2022
Potassium Chloride	Drilling Fluid Additive. Completion Fluid Additive.	N/A	N/A	Potassium Chloride	60-100	7447-40-7	Not Classified	Not Classified	PID10258, Version 8, 14/06/2023
Safe-Carb (All Grades)	Lost Circulation Material. Weighting Agent. Bridging Material.	N/A	N/A	Calcium Carbonate	60-100	471-34-1	Not Classified	Not Classified	PID 1361, Rev 11, 10/05/2023
				Crystalline Silica (impurity)	<1	14808-60-7	H373	Not Classified	
Sodium Chloride Powder (salt)	Additive.	N/A	N/A	Sodium chloride	60-100	7647-14-5	Not Classified	Not Classified	PID1422, Version 11, 14/06/2023
Soda Ash	pH Modifier.	N/A	N/A	Sodium Carbonate	60-100	497-19-8	H319	Not Classified	PID1477, Version 11, 14/07/2023
Water	Base Component.	N/A	N/A	Water	100	7732-18-5	Not Classified	Not Classified	N/A

Chemical Inventory - Wressle 2 - Oil Based Drilling Fluids

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
8 1/2" Hole Section - Oil Based Mud - Primary									
Calcium Chloride	Weighting Agent.	N/A	N/A	Calcium Chloride	60-100	10043-52-4	H319	Not Classified	PID204, Version 10, 17/10/2023
Lime	pH Modifier.	N/A	N/A	Calcium Hydroxide	60-100	1305-62-0	H315, H318, H335	Not Classified	PID904, Version 9, 14/06/2023
One-Mul NS	Secondary Emulsifier.	N/A	N/A	Fatty acids, tall-oil, reaction products with diethylenetriamine, maleic anhydride, tetraethylenepentamine and triethylenetetramine	60-100	68990-47-6	H317	Not Classified	PID18881, Version 4, 07/09/2023
Versaclean	Oil Based System.	N/A	N/A	Oil Based Mud System containing:			H319	Not Classified	PID1644, Revision 11, 27/11/2019
				C8-C26 branched and linear hydrocarbons – Distillate	0-60	848301-67-7			
				Barite	30-60	13462-86-7			
				Calcium Chloride	5-10	10043-52-4			
				Calcium Carbonate	1-5	471-34-1			
				Calcium Hydroxide	1-<3	1305-62-0			
				Fatty acids, tall-oil, reaction products with diethylenetriamine, maleic anhydride, tetraethylenepentamine and triethylenetetramine	<1	68990-47-6			
				Crystalline Silica (impurity)	1-5	14808-60-7			
				Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics*	0-60	N/A			
				Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics*	0-60	N/A			
Versaclean CBE	Primary Emulsifier.	N/A	N/A	Fatty acids, tall-oil, reaction products with diethylenetriamine, maleic anhydride, tetraethylenepentamine and triethylenetetramine	60-100	68990-47-6	H317	Not Classified	PID14427, Version 4, 10/03/2015
				Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics*	10-30	N/A	H304, EUH066		
				(2-methoxymethylethoxy)pro panol	5-10	34590-94-8	Not Classified		
Versatrol M	Fluid Loss Reducer.	N/A	N/A	This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.	N/A	N/A	Not Classified	Not Classified	PID15065, Version 6, 06/04/2023
VG-Supreme	Viscosifier.	N/A	N/A	Crystalline Silica (impurity)	<10	14808-60-7	H373	Not Classified	PID10001, Version 4, 10/03/2022
Water	Base Component.	N/A	N/A	Water	100	7732-18-5	Not Classified	Not Classified	N/A

Chemical Inventory - Wressle 3 - Oil Based Drilling Fluids

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
8 1/2" Hole Section - Oil Based Mud - Primary									
Calcium Chloride	Weighting Agent.	N/A	N/A	Calcium Chloride	60-100	10043-52-4	H319	Not Classified	PID204, Version 10, 17/10/2023
Lime	pH Modifier.	N/A	N/A	Calcium Hydroxide	60-100	1305-62-0	H315, H318, H335	Not Classified	PID904, Version 9, 14/06/2023
One-Mul NS	Secondary Emulsifier.	N/A	N/A	Fatty acids, tall-oil, reaction products with diethylenetriamine, maleic anhydride, tetraethylenepentamine and triethylenetetramine	60-100	68990-47-6	H317	Not Classified	PID18881, Version 4, 07/09/2023
Versaclean	Oil Based System.	N/A	N/A	Oil Based Mud System containing:			H319	Not Classified	PID1644, Revision 11, 27/11/2019
				C8-C26 branched and linear hydrocarbons – Distillate	0-60	848301-67-7			
				Barite	30-60	13462-86-7			
				Calcium Chloride	5-10	10043-52-4			
				Calcium Carbonate	1-5	471-34-1			
				Calcium Hydroxide	1-<3	1305-62-0			
				Fatty acids, tall-oil, reaction products with diethylenetriamine, maleic anhydride, tetraethylenepentamine and triethylenetetramine	<1	68990-47-6			
				Crystalline Silica (impurity)	1-5	14808-60-7			
				Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics*	0-60	N/A			
				Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics*	0-60	N/A			
Versaclean CBE	Primary Emulsifier.	N/A	N/A	Fatty acids, tall-oil, reaction products with diethylenetriamine, maleic anhydride, tetraethylenepentamine and triethylenetetramine	60-100	68990-47-6	H317	Not Classified	PID14427, Version 4, 10/03/2015
				Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics*	10-30	N/A	H304, EUH066		
				(2-methoxymethylethoxy)pro panol	5-10	34590-94-8	Not Classified		
Versatrol M	Fluid Loss Reducer.	N/A	N/A	This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.	N/A	N/A	Not Classified	Not Classified	PID15065, Version 6, 06/04/2023
VG-Supreme	Viscosifier.	N/A	N/A	Crystalline Silica (impurity)	<10	14808-60-7	H373	Not Classified	PID10001, Version 4, 10/03/2022
Water	Base Component.	N/A	N/A	Water	100	7732-18-5	Not Classified	Not Classified	N/A

Chemical Inventory - Wressle 2 and Wressle 3 - Contingency Products									
Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
Contingency Products									
Barite	Weighting Agent. Drilling Fluid Additive.	N/A	N/A	Barium Sulphate BaSO4	>93.5	7727-43-7	Not Classified	Not Classified	5028EC, Issue 2, January 2004
				Calcium Carbonate CaCO3	1.5 - 2.0	471-34-1	Not Classified		
Calcium Chloride	Drilling Fluid Additive.	N/A	N/A	Calcium Carbonate	60-100	10043-52-4	H319	Not Classified	PID204, Version 10, 27/10/2023
Citric Acid	pH Modifier.	N/A	N/A	2-hydroxypropane-1,2,3-tricarboxylic acid	60-100	5949-29-1	H319	Not Classified	PID360, Version 9, 05/10/2018
Conqor 404 NS	Corrosion Inhibitor.	N/A	N/A	This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.	N/A	N/A	Not Classified	Not Classified	PID16185, Version 3, 13/02/2018
Defoam Plus	Defoamer.	N/A	N/A	This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.	N/A	N/A	Not Classified	Not Classified	PID18960, Version 5, 07/09/2023
Drilling Starch	Fluid Loss Reducer.	N/A	N/A	Starch	60-100	Proprietary	Not Classified	Not Classified	PID2025, Version 3, 05/02/2020
Duo-Vis NS	Viscosifier.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID2262, Version 6, 05/07/2023
Flowzan	Drilling Fluid Additive.	N/A	N/A	Contains no hazardous ingredients according to GHS.	N/A	N/A	Not Classified	Not Classified	Version 1.14, 21/10/2021
Glydril	Shale Control Agent.	N/A	N/A	Poly(oxy-1,2-ethanediyl), a-butyl-omega-hydroxy	60-100	9004-77-7	H318, H402, H412	Not Classified	PID729, Version 10, 15/06/2018
Koplus LO	Clean up additive.	N/A	N/A	Tetrasodium Pyrophosphate	1-5	7722-88-5	Not Classified	Low	
				2-Butoxyethanol, (EGMBE)	10-24	111-76-2	H315, H319		
Kwik Seal M	Lost Circulation Material.	N/A	N/A	Wood, Wood Fibers, Ground Hulls or Shells	N/A	N/A	Not Classified	Not Classified	Revision 1.1, 20/09/2011
				Mica	N/A	N/A	Not Classified		
Lime	Drilling Fluid Additive, pH modifier.	N/A	N/A	Calcium Hydroxide	60-100	1305-62-0	H315, H318, H335	Not Classified	PID904, Version 9, 14/06/2023
M-I Gel (Bentonite)	Viscosifier.	N/A	N/A	Crystalline Silica (impurity)	<10	14808-60-7	Not Classified	Not Classified	PID971, Version 5, 08/09/2023
MI WATE (Barite)	Weighting Agent. Drilling Fluid Additive.	N/A	N/A	Barite	60-100	13462-86-7	Not Classified	Not Classified	PID13503, Version 6, 08/03/2022
		N/A	N/A	Crystalline Silica (impurity)	5-<10	14808-60-7	H373		
Polypac	Fluid Loss Reducer. Viscosifier.	N/A	N/A	Polyanionic cellulose	60-100	Proprietary	Not Classified	Not Classified	141381, Version 2, 05/02/2016
Safe-Carb (All Grades)	Lost Circulation Material. Weighting Agent. Bridging Material.	N/A	N/A	Calcium Carbonate	60-100	471-34-1	Not Classified	Not Classified	PID1361, Version 11, 10/05/2023
				Crystalline Silica (impurity)	<1	14808-60-7	H373		
Safe-Cor	Corrosion Inhibitor.	N/A	N/A	Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. Residues.	30-60	68909-77-3	H318, H402, H412	Not Classified	PID1370, Version 13, 30/08/2022
Safe-Cor EN	Corrosion Inhibitor.	N/A	N/A	Formaldehyde, Reaction Products with Ethanolamine	10-30	85186-27-2	H302, H315, H317, H319	Not Classified	PID1370, Version 13, 30/08/2022
Sodium Bicarbonate	Drilling Fluid Additive.	N/A	N/A	Sodium Hydrogen Carbonate	60-100	144-55-8	Not Classified	Not Classified	PID1483, Version 10, 07/04/2023
Sodium Chloride Powder (salt)	Additive.	N/A	N/A	Sodium chloride	60-100	7647-14-5	Not Classified	Not Classified	PID1422, Version 11, 14/06/2023
Sugar	Cement Retarder.	N/A	N/A	Sucrose	60-100	57-50-1	Not Classified	Not Classified	PID1537, Version 5, 26/07/2023
				Crystalline Silica (impurity)	<1	14808-60-7	H373		
Truvis	Viscosifier.	N/A	N/A	Crystalline Silica (impurity)	<1	14808-60-7	H373	Not Classified	MI11344, Version 6, 05/12/2014

Chemical Inventory - Wressle 2 and Wressle 3 - Contingency Products

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
Versaclean FL	Emulsifier.	N/A	N/A	Fatty acids, tall-oil, reaction products with diethylenetriamine, maleic anhydride, tetraethylenepentamine and triethylenetetramine	30-60	68990-47-6	H317	Not Classified	MI10605, Version 5, 12/06/2015
				Distillates (petroleum), hydrotreated light	10-30	64742-47-8	H304		
				(2-methoxymethylethoxy)propanol	5-10	34590-94-8	Not Classified		
Versaclean VB	Emulsifier.	N/A	N/A	Fatty acids, tall-oil, reaction products with diethylenetriamine, maleic anhydride, tetraethylenepentamine and triethylenetetramine	30-60	68990-47-6	H317	Not Classified	MI10456, Version 5, 25/08/2009
				(2-methoxymethylethoxy)propanol	10-30	34590-94-8	Not Classified		
				Distillates (petroleum), hydrotreated light	5-10	64742-47-8	H304		
Versatrol M	Fluid Loss Reducer.	N/A	N/A	This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.	N/A	N/A	Not Classified	Not Classified	PID15065, Version 5, 28/12/2018

Chemical Inventory - Wressle 2 and Wressle 3 - Proppant Fluid and Proppant Carrier Products

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
Proppant Carrier Products									
B197	Surfactant - used as a fracturing additive.	1993	3	Propan-2-ol	10-30	67-63-0	H225, H336, H319	Not Classified	B197, Version 6, 30/11/2015
				Ethoxylated C11 linear/branched alcohols (7eo)	10-30	34398-01-1B	H302, H315, H318, H411		
				2-butoxyethanol	10-25	111-76-2	H302, H312, H315, H319, H332		
				Alcohols, C12-15 linear, ethoxylated	5-10	68131-39-5	H302, H318		
B232	Demulsifier.	2924	3 (8)	Alkyl hydroxyethyl benzyl ammonium chloride	10-<25	61789-68-2	H302, H314, H400	Not Classified	B232, Version 1, 25/06/2014
				Propan-2-ol	5-15	67-63-0	H225, H336, H319		
B390 Bodoxin AE	Biocide.	N/A	N/A	Methanol, [1,2-ethanediy]bis(oxy)]bis-	50-100	3586-55-8	H302, H315, H318	Not Classified	21456GHSEU, 28/06/2012
B512	Crosslinker.	3266	8	2,2',2"-nitrilotriethanol	5-10	102-71-6	Not Classified	Not Classified	B512, Version 1, 30/09/2015
				Sodium hydroxide	<20	1310-73-2	H290, H314, H318		
J218	Used as a fracturing additive.	1444	5.1	Diammonium peroxidisulphate	60-100	7727-54-0	H272, H302, H315, H317, H319, H334, H335	Not Classified	J218, Version 2, 15/05/2014
J475	Used as a fracturing additive.	1444	5.1	Diammonium peroxidisulphate	60-100	7727-54-0	H272, H302, H315, H317, H319, H334, H335	Not Classified	J475, Version 2, 21/05/2015
J564	Gelling Agent.	N/A	N/A	2-butoxyethanol	30-60	111-76-2	H302, H312, H315, H319, H332	Not Classified	J564, Version 1, 18/06/2014
M117	Clay Control Agent.	N/A	N/A	Potassium Chloride	N/A	N/A	Not Classified	Not Classified	M117, Version 3, 14/05/2015
S344-1630	Proppant.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	S344-1630, Version 3, 30/08/2016

Chemical Inventory - Wressle 2 and Wressle 3 - Acid Constituents

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
Acid Constituents									
B297	Corrosion Inhibitor	2924	3 (8)	Acetic Acid	30-60	64-19-7	H226, H314	Not Classified	B297, Versiob 1, 03/04/2014
				Thiourea/formaldehyde polymer	11232	68527-49-1	H302, H318, H411		
Hydrochloric Acid	Acidiser.	1789	8	Hydrochloric Acid	15	7647-01-0	H290, H314, H335	Not Classified	H015, Version 2, 19/04/2016
Mud Acid	Acidiser.	2922	8 (6.1)	Hydrochloric Acid	<12	7647-01-0	H290, H314, H335	Not Classified	H949, Version 3, 07/10/2014
				Hydrofluoric Acid	<3	7664-39-3	H300, H310, H314, H330		H949, Version 3, 07/10/2014
Protekt-7	Acidiser.	1789	8	Hydrogen Chloride	5-8	7647-01-0	H302, H314, H318, H371, H402	Not Classified	11/05/2016
				Inhibitors	2-4	61791-39-7			
				Water	85	7732-18-5			
Protekt-22	Acidiser.	2817	8	Ammonium Bifluoride	20-60	1341-49-7	H301, H314, H318	Not Classified	25/08/2016

Chemical Inventory - Wressle 2 and Wressle 3 - Solvent Constituents

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
Solvent Constituents									
Mutual Solvent U066	Solvent.	N/A	N/A	2-butoxyethanol (Ethylene Glycol Monobutyl Ether (EGMBE))	60-100	111-76-2	H302, H312, H315, H319, H332	Not Classified	U066, Version 2, 28/09/2016
Protekt 318	Well Wash.	N/A	N/A	Blend of non-ionic surfactants, dispersants & corrosion inhibitors blended with organic acids suitable for use with 15% Hydrochloric acid	90-95	N/A	H319	Not Classified	30/06/2015
				Citric Acid	1-2	77-29-9			
				D,Limonene type(turpene)	1-8	N/A			

Chemical Inventory - Wressle 2 and Wressle 3 - Completion Additives

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
Completion Additives									
Caustic Soda M2	pH Modifier.	1823	8	Sodium Hydroxide	60-100	1310-73-2	H290, H314, H318	Not Classified	M002, Version 6, 11/12/2023
Duo-Vis NS	Viscosifier.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID2262, Version 6, 05/07/2023
Protekt 4144	Biocide.	2735	8	1,3,5-Trimethylhexahydro-1,3,5-triazine	30-50	108-74-7	H302, H304, H314, H318	Not Classified	09/11/2016
				Formaldehyde	<0.1	50-00-0			
Protekt 4200	Oxygen (O ₂) Scavenger.	2693	8	Ammonium Bisulfite	50-70	10192-30-0	H290, H314, H318	Not Classified	09/11/2016
Protekt 4850	Corrosion Inhibitor.	3082	9	A blend of 2-(heptadec8enyl)-4,5-dihydro-1-(2hydroxyethyl)-1Himidazolium	8-10	3388-72-5	H302, H315, H319, H410	Not Classified	September 2015
				A blend of 2-(heptadec6enyl)-4,5-dihydro-1-(2hydroxyethyl)-2Himidazolium	8-10	3388-72-8			
				1-Aminooctadecane	8-12	124-30-1			
RO GT V652	Scavenger.	2810	6.1	2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	30-60	4719-04-4	H302, H317, H330, H372	Not Classified	Revision 6, 07/02/2018
				2-aminoethanol	1-5	141-43-5	H302, H312, H314, H332, H335		
RO WI V662	Oxygen (O ₂) Scavenger.	N/A	N/A	Ammonium Bisulfite	60-100	Proprietary	H319, H335, EUH031	Not Classified	Revision 1, 17/06/2013
RO WT C348	Corrosion Inhibitor.	6.1 (5.1)	3287	Sodium Nitrite	30-60	7632-00-0	H272, H301, H400	Not Classified	Revision 2, 19/06/2014
Soda Ash	pH Modifier.	N/A	N/A	Sodium Carbonate	60-100	497-19-8	H319	Not Classified	PID1477, Version 11, 14/07/2023
Sodium Chloride Powder (salt)	Additive.	N/A	N/A	Sodium chloride	60-100	7647-14-5	Not Classified	Not Classified	PID1422, Version 11, 14/06/2023

Chemical Inventory - Wressle 2 and Wressle 3 - Oil Based Mud Clean Up Products

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
Oil Based Mud Clean Up Products									
Drispac	Drilling Mud Additive.	N/A	N/A	Sodium Carboxymethylcellulose (Carboxymethylcellulose sodium salt)	98-100	9004-32-4	Not Classified	Not Classified	100000014007, Version 2.2, 30/07/2020
Duo-Vis NS	Viscosifier.	N/A	N/A	No classified ingredients, or those having occupational exposure limits, present above the level of disclosure.	N/A	N/A	Not Classified	Not Classified	PID2262, Version 6, 05/07/2023
EDC 95-11 US	Drilling Fluid.	N/A	N/A	Distillates (petroleum), hydrotreated middle	100	64742-46-7	H350	Not Classified	084462, Version 2.02, 03/03/2022
				content of aromatic compounds <0.03%	<0.03				
Flowzan	Drilling Fluid Additive.	N/A	N/A	Contains no hazardous ingredients according to GHS.	N/A	N/A	Not Classified	Not Classified	Version 1.14, 21/10/2021
Safe-Surf EU	Completion Fluid Additive	N/A	N/A	2-butoxyethanol	30-60	111-76-2	H302, H312, H315, H319, H332	Not Classified	PID20170, Version 2, 09/08/2018
				D-Glucopyranose, oligomeric, C8-10 glycosides	5-10	68515-220-1	H318		
Saraline 185V	Synthetic Drilling Base Fluid	N/A	N/A	Alkanes, C12-C26, branched and linear	>90	90622-53-0	H227, H303, H304, H333, H336	See SDS	4669-99, Version 3.1.1.1, 08/05/2019
Sobo S Gold 08	Washing and Cleaning Product	N/A	N/A	Tetrapotassium Pyrophosphate (TKPP)	1-5	7320-34-5	H319	Not Classified	Revision 9, 27,04,2016
				Alkylpolyglycoside C9-11	1-5	132778-08-6	H318		
				Water	>80	7732-18-5	Not Classified		
Versamod	Rheology Modifier	N/A	N/A	Hydrocarbons, C13-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics*			Not Classified	Not Classified	PID1664, Version 9, 11/10/2021

Chemical Inventory - Wressle 2 and Wressle 3 - Production Products

Product Name	Purpose	UN No	Transport Class	Hazardous Chemical Composition (SDS Section 3)	Weight %	CAS Number	Hazard Statements	Results of PBT/vPvB Assessment	Comments
Oil Based Mud Clean Up Products									
PFX-3508	Wax / Paraffin / Asphaltene Inhibitor	1993	3	Mixed hexane compounds	45-65	110-54--3	H225, H304, H315, H336, H361, H373	No specific data available	March 2021
				Mixed furans	8-15	203-726-8			
				Alkyl polyglucosides C6 - C12	1-3	110615-47-9			
				Mixed butanol compounds	5-20	71-36-3			
				Silicon derivative	0-0.5	7440-21--3			
				SLES surfactants	5-20	3088-31-1			
Hydroflux 5000	Concentrated Oilfield Demulsifier	1230	3	Methanol	20-40	67-56-1	H225, H301, H311, H331, H370	No specific data available	
				Mixed nonionic polyacrylates	25-44	2594535			
				DDBSA (Dodecylbenzene Sulphonic Acid)	45507	27176-87-0			
Nitrogen, compressed	Coolant	1066	2	Nitrogen	100	7727-37-9	H280	Not Classified	000010021697, Version 1.9, 02/08/2022
Nitrogen, liquified	Coolant	1977	2	Nitrogen, refrigerated, liquid.	100	7727-37-9	H281	Not Classified	8348, Version 3.0, 20/12/2010
Propane	Combustion Support	1978	2	Propane	100	74-98-6	H220, H280	Not Classified	000010021747, Version 2.2, 28/04/2021
Crude Oil	Hot Wash	1267	3	Crude Oil	100	09/05/8002	H226, H304, H319, H340, H350, H410	Not Determined	Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII
Methanol K46	Anti-Freeze / Hydrate Plug Removal / Solvent	1230	3	Methanol	60-100	67-56-1	H225, H301, H311, H331, H370	Not Classified	K046, Version 2, 11/03/2021
Monoethylene Glycol (MEG)	Plug Prevention	N/A	N/A	Ethylene Glycol	60-100	107-21-1	H302, H373	Not Classified	PID1081, Version 11, 09/11/2022
Safe-Scav HSN	Hydrogen Sulphide Scavenger	2810	6.1	2,2',2''-(Hexahydro-1,3,5-triazin-1,3,5-triyl)triethanol	30-60	1029713	H302, H317, H319, H330, H372, H401	Not Classified	PID17341, Version 6, 08/09/2023
				2-aminoethanol (Impurity)	1-<3	141-43-5	H302, H312, H314, H332, H335		
				Methanol (impurity)	0.1-<0.5	67-56-1	H225, H301, H311, H331, H370		
				Formaldehyde (impurity)	<0.1	50-00-0	H301, H311, H314, H317, H331, H335, H341, H350		
Odorant NB	Odorant for Gas	3336	3	Tertiary Butyl Mercaptan	78-90	75-66-1	H225, H317, H411	Not a PBT Substance	Revision 7, 05/03/2013
				Dimethylsulphide	10-30	75-18-3	H225, H304, H319, HH412		
Calcium Chloride	Dehydration Vessel	N/A	N/A	Calcium Chloride	60-100	10043-52-4	H319	Not Classified	PID204, Version 10, 17/10/2023
Ethyl Alcohol	Anti-Freeze	1170	3	Ethyl Alcohol	90-95	64-17-5	H225, H318, H319, H335, H351, H361, H371	No specific data available	Revision 7, 07/07/2009
				Methyl Alcohol	3-5	67-56-1			
				Methylisobutyl Ketone	1-3	108-10-1			
				Ethyl Acetate	1-2	141-78-6			
				Solvent Naptha (Petroleum), Light Aliphatic	1	64742-89-8			