



Chemical Name	CAS No.	Document Control						Overall PBT Assessment <sup>1</sup>	Chemical Databases of Concern Assessment Step		Persistence Assessment Step		Bioaccumulative Assessment Step		Toxicity Assessment Step		Tier <sup>2</sup>	Risk Level	Approval(s)			Assessed Activity(ies)			Assessed Use(s)					
		Chemical Assessment Date	Independent Peer Review <sup>3</sup>	Department Notification Date - EPC 2012/6615	Department Notification Date - EPC 2014/7376	Department Notification Date - EPC 2021/8979	Department Approval Date		Chemical Re-evaluation Date	Listed as a COC on release databases?	Identified as Polymer of Low Concern	P criteria fulfilled?	Other P Concerns	B criteria fulfilled?	T criteria fulfilled?	Acute Toxicity <sup>4</sup>			Chronic Toxicity <sup>5</sup>	EPBC 2012/6615	EPBC 2014/7376	EPBC 2021/8979	Drilling and Completions	Hydraulic Fracturing	Water Treatment	Residual Drilling Material	Irrigation	Stockwatering	Surface Water	Dust Suppression/Construction
1,1-dichloroethene-1,1-diphosphonic acid	2829-21-4	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	Yes	No	NA	NA	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	
1,3-Dichloropropane	542-75-8	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	NA	NA	NA	NA	NA	NA	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	
2-Butenedioic acid (2E), homopolymer	26099-09-1	12/11/2022	15/01/2023	25/11/2022	NA	NA	NR	-	Not a PBT	No	No	NA	NA	NA	NA	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	
2-Mercaptoethanol	60-24-2	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	Yes	1 (Fish and algae), 3 (Invert)	2	2	2	Low	X	X	X	X	X	X	X	X	X	X		
2-Propenoic acid, polymer with sodium phosphinate	21090-63-8	11/11/2022	14/04/2021	25/11/2022	NA	NA	NR	-	Not a PBT	No	No	NA	NA	NA	NA	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	
2-Propenoic acid, potassium salt, polymer with 2-propenamides	13122-13-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	Yes	No	1	1	1	1	Low	X	X	X	X	X	X	X	X	X	X		
2-Propenoic acid, sodium salt (1:1), polymer with 2-propenamides and sodium 2-methyl-2-[[1-ene-2-oxo-1-ylamino]-1-oxo-2-oxo-1-yl]propanesulfonate (1:1)	53845-65-1	17/11/2022	15/11/2022	25/11/2022	NA	NA	NR	-	Not a PBT	No	No	No	No	1	1	1	1	Low	X	X	X	X	X	X	X	X	X	X		
2-Propenoic acid, sodium salt, polymer with 2-propenamides	15086-02-3	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	Yes	Yes	No	1	1	1	1	Low	X	X	X	X	X	X	X	X	X	X		
3,5,7-Triaza-1-azoniatricyclo[3.3.1.1 <sup>3,7</sup> ]decane, 1-(3-chloro-2-propenyl)-, chloride (CTAC)	4080-31-1	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	No	2	No data	2	Low	X	X	X	X	X	X	X	X	X		
3,5,7-Triaza-1-azoniatricyclo[3.3.1.1 <sup>3,7</sup> ]decane, 1-(3-chloro-2-propenyl)-, chloride (CTAC)	4080-31-3	9/12/2020	14/04/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	No	2	No data	2	Low	X	X	X	X	X	X	X	X	X		
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (CMIT/MIT)	55965-84-9	14/10/2021	NA	NA	NA	NA	24/12/2021	-	Not a PBT	No	No	No	No	Yes	3	3	3	High	X	X	X	X	X	X	X	X	X	X		
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (CMIT/MIT)	55965-84-9	17/03/2022	NA	NA	NA	NA	16/11/2022	-	Not a PBT	No	No	No	No	Yes	3	3	3	High	X	X	X	X	X	X	X	X	X	X		
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (CMIT/MIT)	55965-84-9	11/01/2022	NA	NA	NA	NA	17/02/2023	-	Not a PBT	No	No	No	No	Yes	3	3	3	High	X	X	X	X	X	X	X	X	X	X		
Acetic Acid	64-19-7	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X		
Acetylene	74-86-2	28/10/2021	31/11/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	NA	NA	No	1	No data	1	Low	X	X	X	X	X	X	X	X	X	X		
Acrylamide, sodium acrylate polymer	2592-30-3	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	Yes	Yes	No	No	1	1	1	1	Low	X	X	X	X	X	X	X	X	X		
Adipic Acid	114-06-4	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	1	1	1	1	Low	X	X	X	X	X	X	X	X	X		
Alcohols, C12-15, ethoxylated	68131-39-5	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	1	Low	X	X	X	X	X	X	X	X	X		
Alcohols, C12-16, ethoxylated	68551-12-2	28/07/2021	2/08/2021	4/08/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	2 (Fish), 3 (Inv and algae)	2	2	2	Low	X	X	X	X	X	X	X	X	X		
Alcohols, C12-16, ethoxylated	68551-12-2	28/07/2021	2/08/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	2 (Fish & Inv), 3 (Algae)	2	2	2	Low	X	X	X	X	X	X	X	X	X		
Aliphatic alcohol ethoxylate	3004-77-7	16/04/2021	25/05/2021	25/05/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X			
Alkanes, C11-15-iso	9062-58-5	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	1	2	2	2	Low	X	X	X	X	X	X	X	X	X		
Alkanes, C11-15-iso	9062-58-5	14/10/2021	21/11/2021	25/11/2022	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	2	2	2	Low	X	X	X	X	X	X	X	X	X		
Alkanes, C11-15-iso	9062-58-5	9/12/2020	14/04/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	2	2	2	Low	X	X	X	X	X	X	X	X	X		
Aluminum Hydroxide	1317-41-9	9/12/2020	14/04/2021	28/04/2021	NA	NA	28/04/2021	-	Not a PBT	No	No	NA	NA	Yes	3	3	3	High	X	X	X	X	X	X	X	X	X			
Aluminum oxide	1344-28-1	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	NA	No	2	2	2	2	Low	X	X	X	X	X	X	X	X			
Amides, coco, N,N-bis(hydroxyethyl)	68601-42-9	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	2	No data	2	2	Low	X	X	X	X	X	X	X	X			
Amides, coco, N,N-bis(hydroxyethyl)	68601-42-9	9/12/2020	14/04/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	2	No data	2	2	Low	X	X	X	X	X	X	X	X			
Amides, tall oil fatty, N,N-bis(hydroxyethyl)	68155-20-4	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	Yes	2	2	2	2	Low	X	X	X	X	X	X	X	X				
Amides, tall oil fatty, N,N-bis(hydroxyethyl)	68155-20-4	9/12/2020	14/04/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	Yes	2	2	2	2	Low	X	X	X	X	X	X	X	X				
Amine Oxides, coccolydimethyl	61788-90-7	26/07/2021	2/08/2021	4/08/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	Yes	2 (Fish & Inv), 3 (Algae)	2 (Fish & Inv), 3 (Algae)	2	2	Low	X	X	X	X	X	X	X	X			
Amine Oxides, coccolydimethyl	61788-90-7	26/07/2021	2/08/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	Yes	2 (Fish & Inv), 3 (Algae)	2 (Fish & Inv), 3 (Algae)	2	2	Low	X	X	X	X	X	X	X	X			
Amino Trimethylene Phosphonic Acid (ATMPA)	6412-19-2	5/03/2022	1/04/2022	13/04/2022	NA	NA	NR	-	Not a PBT	No	No	No	No	No	1	1	1	1	Low	X	X	X	X	X	X	X				
Ammonia	7664-41-7	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	NA	NA	No	2	2	2	2	Low	X	X	X	X	X	X	X				
Ammonium Hydroxide	1316-21-6	31/03/2022	1/04/2022	13/04/2022	NA	NA	NR	-	Not a PBT	No	No	NA	NA	No	2	2	2	2	Low	X	X	X	X	X	X	X				
Amylodextrin	9005-84-2	28/10/2021	31/11/2021	9/11/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	Yes	No	No	No	1	No data	1	1	Low	X	X	X	X	X	X	X				
Anionic Polyacrylamide	9003-05-2	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	1	1	1	1	Low	X	X	X	X	X	X	X				
Barium Sulfate	7774-43-7	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	NA	No	1	1	1	1	Low	X	X	X	X	X	X	X				
Bentonite	1302-78-9	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	NA	No	1	1	1	1	Low	X	X	X	X	X	X	X				
Benzaldehyde	100-52-7	26/07/2021	2/08/2021	4/08/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	2 (Fish & Algae), 3 (Inv)	2 (Fish & Algae), 3 (Inv)	2	2	Low	X	X	X	X	X	X	X				
Benzaldehyde	100-52-7	26/07/2021	2/08/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	2 (Fish & Algae), 3 (Inv)	2 (Fish & Algae), 3 (Inv)	2	2	Low	X	X	X	X	X	X	X				
Benzenesulfonic acid, dimethyl-, sodium salt	1300-77-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	1	Low	X	X	X	X	X	X					
Benzyl-C1-2-alkylpyridinium chloride	68909-18-2	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	Yes	2	No data	2	2	2	Low	X	X	X	X	X	X					
Boric acid	10041-35-3	29/10/2021	31/11/2021	9/11/2021	NA	NA	NR	-	Not a PBT	Yes	No	NA	NA	No	1	1	1	1	Low	X	X	X	X	X	X					
Boric acid	10041-35-3	29/10/2021	31/11/2021	NA	NA	17/05/2023	NR	-	Not a PBT	Yes	No	NA	NA	No	1	1	1	1	Low	X	X	X	X	X	X					
But-2-enedioic acid	110-11-8	17/08/2021	21/12/2021	7/12/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	1	No data	1	1	Low	X	X	X	X	X	X					
Butyl alcohol	71-36-3	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	1												

Chemical Name	CAS No.	Document Control						Overall PBT Assessment <sup>1</sup>	Chemical Databases of Concern		Persistence Assessment Step		Bioaccumulative Assessment Step	Toxicity Assessment Step		Tier <sup>2</sup>	Risk Level	Approved(s)			Assessed Activity(ies)			Assessed Use(s)							
		Chemical Assessment Date	Independent Peer Review <sup>3</sup>	Department Notification Date - EPC 2012/6615	Department Notification Date - EPC 2014/7376	Department Notification Date - EPC 2021/8979	Department Approval Date		Chemical Re-evaluation Date	Listed as a COC on relevant databases <sup>4</sup>	Identified as Polymeric of Low Concern	P criteria fulfilled?		Other P Concerns	B criteria fulfilled?			T criteria fulfilled?	Acute Toxicity <sup>5</sup>	Chronic Toxicity <sup>6</sup>	EPC 2012/6615	EPC 2014/7376	EPC 2021/8979	Drilling and Completions	Hydraulic Fracturing	Water Treatment	Residual Drilling Material	Irrigation	Stockwatering	Surface Water	Dust Suppression/Construction
Disodium octaborate tetrahydrate	12008-41-2	26/07/2021	2/08/2021	4/08/2021	14/09/2021	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Diaton	39585-15-2	3/12/2021	3/12/2021	7/12/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	No data	1	Low	X	X	X	X	X	X	X	X	X	X			
Diaton Gum	126005-81-0	2/12/2021	3/12/2021	7/12/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	No data	1	Low	X	X	X	X	X	X	X	X	X	X			
Edetic Acid (EDTA)	60-00-4	25/03/2022	1/04/2022	13/04/2022	NA	NA	NR	-	Not a PBT	No	No	Yes	No	No	1	1	1	Low	X		X		X	X		X	X	X			
Ethanol	64-17-5	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X		X		X	X		X	X	X			
Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivatives residues	68909-77-3	16/04/2021	25/05/2021	14/09/2022	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Ethoxylated alcohol	78130-21-9	3/09/2022	7/09/2022	NA	14/09/2022	NA	NR	-	Not a PBT	No	No	No	No	No	2 (fish), 3 (inv and algae)	2	2	Low	X		X		X	X		X	X	X			
Ethoxylated alcohol	78130-21-9	14/10/2022	5/11/2022	25/11/2022	NA	NA	NR	-	Not a PBT	No	No	No	No	No	2 (fish), 3 (inv and algae)	2	2	Low	X		X		X	X		X	X	X			
Ethoxylated alcohol	78130-21-9	14/10/2022	5/11/2022	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	2 (fish), 3 (inv and algae)	2	2	Low	X		X		X	X		X	X	X			
Ethyl hexanol	104-26-7	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	2	2	2	Low	X		X		X	X		X	X	X			
Ethyl hexanol	104-26-7	9/12/2020	14/04/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	2	2	2	Low	X		X		X	X		X	X	X			
Ethylene glycol	107-21-1	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X		X		X	X		X	X	X			
Ethylene glycol monobutyl ether	144-28-6	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Ethylene oxide / propylene oxide copolymer	9003-05-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Ethylene oxide / propylene oxide copolymer	9003-11-6	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	Yes	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Ethylenediaminetetraacetic Acid, tetrasodium salt (NaEDTA)	64-02-8	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	Yes	No	No	1	1	1	Low	X		X		X	X		X	X	X			
Fatty Acid Ester	10024-47-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Fatty Acids Ester	113890-20-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Fatty acids, salt, ethoxylated	611793-05-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Ferric Sulphate	10028-22-4	15/03/2022	14/04/2022	13/04/2022	NA	NA	NR	-	Not a PBT	No	No	No	NA	NA	1	1	1	Low	X		X		X	X		X	X	X			
Food red 30	7124-67-6	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Formic acid	58-10-5	20/06/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Gelatins	9000-70-8	2/12/2021	3/12/2021	7/12/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	No data	No data	1	Low	X	X	X	X	X	X	X	X	X	X			
Glass oxide	65997-17-3	27/07/2022	7/09/2022	14/09/2022	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	NA	NA	No	No	1	Low	X	X	X	X	X	X	X	X	X	X			
Glutaraldehyde	111-30-8	9/12/2020	NA	NA	NA	NA	NR	28/04/2021	-	Not a PBT	No	No	No	No	No	No	2	High	X		X		X	X		X	X	X			
Glutaraldehyde	111-30-8	3/09/2022	NA	NA	NA	NA	NR	27/10/2022	-	Not a PBT	No	No	No	Yes	2 (fish & inverts), 3 (algae)	2	3	High	X	X	X	X	X	X	X	X	X	X			
Glutaraldehyde	111-30-8	22/11/2022	NA	NA	NA	NA	NR	17/02/2023	-	Not a PBT	No	No	No	Yes	2 (fish & inverts), 3 (algae)	2	3	High	X		X		X	X		X	X	X			
Glycerine	56-81-5	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Glycol	107-21-1	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Graphite	782-42-5	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X		X		X	X		X	X	X			
Guar gum	9000-30-0	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	Potentially Yes	1	1	1	Low	X		X		X	X		X	X	X			
Hexamethylenetetramine	100-97-0	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	NA	NA	NA	NA	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Hexamethyleneamine	114-69-1	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	NA	NA	NA	NA	1	No data	1	Low	X	X	X	X	X	X	X	X	X	X			
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	2	2	2	Low	X	X	X	X	X	X	X	X	X	X			
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	14/10/2022	2/11/2022	NA	25/11/2022	NA	NR	-	Not a PBT	No	No	No	No	No	2	2	2	Low	X		X		X	X		X	X	X			
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	9/12/2020	14/04/2021	NA	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	2	2	2	Low	X		X		X	X		X	X	X			
Hydrochloric Acid	7647-01-0	9/12/2020	NA	NA	NA	NA	NR	28/04/2021	-	Not a PBT	No	No	NA	NA	1 (fish, 3 algae & inverts) (ECHA)	No data	3	High	X		X		X	X		X	X	X			
Hydrochloric Acid	7647-01-0	18/03/2022	NA	NA	NA	NA	NR	29/04/2022	-	Not a PBT	No	No	NA	NA	1 (fish, 3 algae & inverts) (ECHA)	No data	3	High	X		X		X	X		X	X	X			
Hydrochloric Acid	7647-01-0	8/04/2021	NA	NA	NA	NA	NR	17/02/2023	-	Not a PBT	No	No	NA	NA	1 (fish, 3 algae & inverts) (ECHA)	No data	3	High	X		X		X	X		X	X	X			
Hydrogen Peroxide	7722-84-1	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	3	3	3	High	X		X		X	X		X	X	X			
Hydroxyacetone	20421-25-1	20/06/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Iron oxide	7440-38-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	No data	1	Low	X	X	X	X	X	X	X	X	X	X			
Isopropanol	67-63-0	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X	X	X			
Isooctane	60011-38-0	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	No	No	No	2	2	2	Low	X		X		X	X		X	X	X			
Isooctane, ethoxylated	60011-38-5	14/10/2022	2/11/2022	NA	25/11/2022	NA	NR	-	Not a PBT	No	No	No	No	No	2	2	2	Low	X	X	X	X	X	X	X	X	X	X			
Isooctane, ethoxylated	60011-38-5	9/12/2020	14/04/2021	NA	17/05/2023	NA	NR	-	Not a PBT	No	No	No	No	No	2	2	2	Low	X		X		X	X		X	X	X			
Lactose	63-42-3	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X		X		X	X		X	X	X			

Chemical Name	CAS No.	Document Control							Overall PBT Assessment <sup>1</sup>	Chemical Databases of Concern Assessment Step		Persistence Assessment Step		Bioaccumulative Assessment Step		Toxicity Assessment Step		Tier <sup>2</sup>	Risk Level	Approval(s)			Assessed Activity(ies)			Assessed Use(s)						
		Chemical Assessment Date	Independent Peer Review <sup>3</sup>	Department Notification Date - EPRC 2012/6615	Department Notification Date - EPRC 2014/7376	Department Notification Date - EPRC 2021/8979	Department Approval Date	Chemical Re-evaluation Date		Listed as a COC on relevant databases?	Identified as Polymer of Low Concern	P criteria fulfilled?	Other P Concerns	B criteria fulfilled?	T criteria fulfilled?	Acute Toxicity <sup>4</sup>	Chronic Toxicity <sup>5</sup>			EPBC 2012/6615	EPBC 2014/7376	EPBC 2021/8979	Drilling and Completions	Hydraulic Fracturing	Water Treatment	Residual Drilling Material	Irrigation	Stockwatering	Surface Water	Dust Suppression/Construction		
Sodium hypochlorite	7811-32-9	9/12/2020	NA	NA	NA	NA	28/04/2021	-	Not a PBT	No	No	NA	No	No	Yes	3	3	3	High	X			X			X	X	X	X	X	X	X
Sodium iodide	7811-82-5	20/06/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium lauryl polyoxyethylene ether sulfate	9004-81-8	26/07/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium lignosulfonate	8091-51-6	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium nitrate	7632-00-0	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	2	1	1 <sup>h</sup>	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium persulfate	7775-27-1	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X		X			X		X	X	X	X	X	X
Sodium polyacrylate	9003-04-7	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	Yes	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium polyphthalene sulfonate	9008-63-1	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	Yes	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium silicate	1344-09-8	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium sulfate	7781-87-6	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X		X			X		X	X	X	X	X	X
Sodium sulphite	7757-83-7	20/06/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium Tetraborate Decahydrate (Borax)	1303-96-4	29/10/2021	3/11/2021	9/11/2021	NA	NA	NR	-	Not a PBT	Yes	No	NA	No	No	Yes	1	1	2 <sup>f</sup>	Low	X				X		X	X	X	X	X	X	X
Sodium Tetraborate Decahydrate (Borax)	1303-96-4	29/10/2021	3/11/2021	9/11/2021	NA	NA	NR	-	Not a PBT	Yes	No	NA	No	No	Yes	1	1	2 <sup>f</sup>	Low	X				X		X	X	X	X	X	X	X
Sodium thiosulphate	7772-98-7	3/09/2021	3/09/2021	3/09/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sorbitan monolaurate, ethoxylated	9005-66-6	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sorbitan, mono-9-octadecenoate, (Z)	1138-43-8	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sorbitan, mono-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivatives, (Z)	9005-65-6	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	Yes	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Soybean oil	8001-22-7	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Soybean oil, methyl ester, sulfated, sodium salt	68918-47-8	30/08/2022	7/09/2022	14/09/2022	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	No Data	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Starch	9005-25-8	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Starch, carbonylmethyl ether	9051-86-0	2/10/2021	3/11/2021	9/11/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Starch, polymer with (chloromethyl)oxirane	9094-89-1	20/06/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sulfated oleic acid, potassium salt	68473-93-8	30/08/2022	7/09/2022	14/09/2022	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	No Data	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Sulfuric Acid	7664-93-9	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	2	1 <sup>h</sup>	Low	X				X		X	X	X	X	X	X	X
Tall oil fatty acid/diethylenetriamine reaction product	61790-69-0	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	No data	1	Low	X				X		X	X	X	X	X	X	
Tallow alkylamine, ethoxylated	61791-26-2	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	No data	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetraakis(hydroxymethyl) phosphonium sulfate	35566-26-8	9/12/2020	14/04/2021	28/04/2021	NA	NA	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	No data	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetramethyl ammonium chloride	75-57-0	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	3	1 <sup>h</sup>	Low	X		X			X		X	X	X	X	X	X
Tributyl tetradecyl phosphonium chloride	81741-28-8	9/12/2020	NA	NA	NA	NA	28/04/2021	-	Not a PBT	No	No	NA	Yes	No	Yes	3	3	3	High	X				X		X	X	X	X	X	X	X
Tributyl tetradecyl phosphonium chloride	81741-28-8	8/04/2021	NA	NA	NA	NA	17/02/2023	-	Not a PBT	No	No	NA	Yes	No	Yes	3	3	3	High	X				X		X	X	X	X	X	X	X
Triethanolamine	102-71-6	26/07/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Trimethylamine hydrochloride	593-81-7	9/12/2020	14/04/2021	28/04/2021	NA	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	No data	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Ureate	1319-33-1	26/07/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Vinylamide/vinyl sulfonated polymer	118997-64-8	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	Yes	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Vinylidene chloride/methylacrylate copolymer	26038-73-6	1/09/2021	3/12/2021	7/12/2021	NA	17/05/2023	NR	-	Not a PBT	No	Yes	NA	No	No	Yes	1	1	1	Low	X		X			X		X	X	X	X	X	X
Water (in Products)	7732-18-6	20/06/2021	2/08/2021	4/08/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Xanthan Gum	11138-66-7	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Alkyl																																
Crystalline silica, cristobalite	14464-46-1	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1 <sup>h</sup>	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Crystalline silica, quartz	14808-60-7	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1 <sup>h</sup>	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Crystalline silica, tridymite	14468-37-3	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1 <sup>h</sup>	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Diatomaceous earth	61790-53-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	17/05/2023	NR	-	Not a PBT	No	No	NA	No	No	Yes	1	1	1 <sup>h</sup>	Low	X	X	X	X	X	X	X	X	X	X	X	X	X
Non-crystalline silica (impurity)	7631-86-9	3/11/2021	3/12/2021	7																												