Santos

Register of Assessed Chemicals

Date	Rev	Reason For Issue
28/04/2021	0	2012/6615 - Publish Register following GFD Chemical Risk Assessment Framework (CRAF) Approval

Register of Assessed Chemicals

Santos

Chemical Name	CAS No.	Document Control					Overall PBT Assessment [2]	Chemical Databases of Concern Assessment Step		Persistence Assessment Step		Bioaccumulative Assessment Step	Toxicity Assessment Step			Tier [4]	Risk Level	Assessed Activity(ies)			Assessed Use(s)					
		Chemical Assessment Date	Independent Peer Reviewer [1]	Department Notification Date	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 [3]	Chronic Toxicity [3]			Drilling and Completions	Hydraulic Fracturing	Water Treatment	Residual Drilling Material	Irrigation	Stockwatering	Surface Water	Dust Supression/ Construction	TBA
(1-hydroxyethylidene)-1,1-diphosphonic acid	2809-21-4	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low			X		X	X		X	
2-Mercaptoethanol	60-24-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	Yes	1 (fish and algae), 3	2	2	Low			X			X	X		X	
2-Propenoic acid, potassium salt, polymer with 2-propenamide	31212-13-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1 [4]	Low	X			X	X	X		X	
2-Propenoic acid, sodium salt, polymer with 2-propenamide	25085-02-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low	X			X	X	X		X	
3,5,7-Triaza-1-azoniatricyclo[3.3.1.13,7]decane,1-(3-chloro-2-propenyl)- , chloride (CTAC)	4080-31-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	2	No data	2	Low	X			X	X	X		X	
1,3-Dichloropropene	542-75-6	9/12/2020	14/04/2021	28/04/2021	NR	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA [5]	Low	X			X	X	X		X	
Dichloromethane (methylene chloride)	75-09-2	9/12/2020	14/04/2021	28/04/2021	NR	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA [5]	Low	X			X	X	X		X	
Hexamethylenetetramine	100-97-0	9/12/2020	14/04/2021	28/04/2021	NR	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA [5]	Low	X			X	X	X		X	
Acetic Acid	64-19-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X	X		X	X		X	
Acrylamide, sodium acrylate polymer	25987-30-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	Yes	Yes	No	No	No	1	1	1 [4]	Low	X			X	X	X		X	
Adipic Acid	124-04-9	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low			X		X	X		X	
Alcohols, C12-15, ethoxylated	68131-39-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Alkanes, C11-15-iso-	90622-58-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	2	2	Low	X			X	X	X		X	
Aluminum Hydroxychloride	1327-41-9	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	NA	No	No	Yes	3	3	3	High			X		X	X		X	
Aluminum oxide	1344-28-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1	Low	X			X	X	X		X	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	2	No data	2	Low	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	NR	-	Not a PBT	No	No	No	No	No	Yes	2	2	2	Low		X			X	X		X	
Ammonia	7664-41-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	2	2	2	Low			X		X	X		X	
Anionic Polyacrylamide	9003-05-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low			X		X	X		X	
Barium Sulfate	7727-43-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1	Low	X			X	X	X		X	
Bentonite	1302-78-9	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1	Low	X			X	X	X		X	
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Benzyl-C1-2-alkylpyridinium chloride	68909-18-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	Yes	2	No Data	2	Low			X		X	X		X	
Butyl alcohol	71-36-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
C10-C16 Alkylbenzenesulfonic acid	68584-22-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	2	Insufficient data quality for categorisation	2	Low	X			X	X	X		X	
Calcined petroleum coke	64743-05-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	Will either incorporate into sediment or float to the surface.	No	No	1	1	1	Low	X			X	X	X		X	
Calcium Carbonate	471-34-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1	Low	X			X	X	X		X	
Calcium Chloride	10043-52-4	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1	Low	X			X	X	X		X	
Calcium lignosulfonate	8061-52-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low	X			X	X	X		X	
Calcium oxide	1305-78-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1	Low	X			X	X	X		X	
Castor Oil	8001-79-4	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low	X			X	X	X		X	
Cellophane	9005-81-6	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Cellulase enzyme	9012-54-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low		X			X	X		X	
Choline Chloride	67-48-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Citric Acid	77-92-9	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X	X		X	X	X		X	
Cocoalkyl dimethylbenzyl ammonium chloride (ADBAC)	61789-71-7	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	No	No	No	Yes	3	3	3	High			X		X	X		X	
Coffee Extract	68916-18-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Dazomet [3,5-Dimethyl-1,3,5-thiadiazinane-2-thione Thiazone]	533-74-4	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	No	No	No	No	3	No data	3	High	X			X	X	X		X	
Dialuminium Chloride Pentahydroxide	12042-91-0	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	NA	No	No	Yes	3	1	3	High			X		X	X		X	
Diethanolamine	111-42-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Diethylene glycol monobutyl ether	112-34-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Diethylene triamine penta(methylene phosphonic acid), sodium salt	22042-96-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	Not readily biodegradable and adsorbs significantly to sediment and soil	No	No	1	1	1	Low			X		X	X		X	
Disodium metasilicate	6834-92-0	13/04/2021	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1	Low	X			X	X	X		X	
Ethanol	64-17-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Ethyl hexanol	104-76-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	2	2	2	Low		X			X	X		X	
Ethylene glycol	107-21-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Ethylene glycol monobutyl ether	111-76-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X		X	X	X	X		X	
Ethylene oxide / propylene oxide copolymer	9082-00-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1 [4]	Low	X			X	X	X		X	
Ethylene oxide / propylene oxide copolymer	9003-11-6	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	Yes	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Ethylenediaminetetraacetic Acid, tetrasodium salt (NaEDTA)	64-02-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	EDTA is not readily biodegradable, however, it will biodegrade in alkaline environments (above pH 8) or in soil under aerobic conditions.	No	No	1	1	1	Low			X		X	X		X	
Fatty Acid Ester	10024-47-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Fatty Acids Ester	135800-37-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Fatty acids, tall-oil, ethoxylated	61791-00-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Food red 10	3734-67-6	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Glutaraldehyde	111-30-8	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	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	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Glyoxal	107-22-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Graphite	7782-42-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1	Low	X			X	X	X		X	
Guar gum	9000-30-0	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	Potentially Yes	1	1	1	Low		X			X	X		X	
Hemicellulase enzyme	9025-56-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Hexanedinitrile	111-69-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low	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	NR	-	Not a PBT	No	No	No	No	No	No	2	2	2	Low	X			X	X	X		X	
Hydrochloric Acid	7647-01-0	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	NA	No	No	No	1 (fish), 3 (algae & inverts) (ECHA)	No data	3	High		X			X	X		X	
Hydrogen Peroxide	7722-84-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	2	3	2 [6]	Low			X		X	X		X	
Iron oxide	1309-37-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Isopropanol	67-63-0	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Isotridecanol, ethoxylated	69011-36-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	2	2	2	Low	X			X	X	X		X	
Lactose	63-42-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
Lecithins	8002-43-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Magnesium oxide	1309-48-4	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Melamine, formaldehyde, sodium bisulfite polymer	64787-97-9	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	Yes	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Methanol	67-56-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X		X	
Methylisothiocyanate (MITC)	556-61-6	9/12/2020	NA	NA	-	-	Not a PBT	No	No	No	No	No	No	3	No data	3 [7]	High	X			X	X	X		X	
Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Modified bentonite	71011-24-0	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low	X			X	X	X		X	
Monoethanolamine borate	26038-87-9	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low		X			X	X		X	
N,N-Dimethylmethanamine	75-50-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low		X			X	X		X	
Peroxyacetic Acid	79-21-0	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	No	No	No	Yes	3	3	3	High			X		X	X		X	
Phosphonic Acid	13598-36-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low			X		X	X		X	
Polyalkylene Glycol Monobutyl Ether	9038-95-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
PolyDADMAC	26062-79-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	Yes	No	No	2	2	2	Low			X		X	X		X	
Polypropylene	9003-07-0	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	Yes	No	No	1	1	1 [4]	Low	X			X	X	X		X	
Polypropylene Glycol	25322-69-4	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Polyquaternium-33	69418-26-4	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	Yes	No	No	2	2	2	Low			X		X	X		X	
Portland Cement	65997-15-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Potassium Chloride	7447-40-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Potassium Hydroxide	1310-58-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X		X	X	X	X		X	
Potassium pyrophosphate	7320-34-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Quaternary Ammonium Compounds	61788-63-4	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	No	No	No	Yes	3	No data	3	High	X			X	X	X		X	
Silicic Acid, Potassium Salt	1312-76-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Silicone based emulsion neutralised polyacrylic based stabiliser	NS	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1 [4]	Low	X			X	X	X		X	
Sodium Bicarbonate	144-55-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Sodium Bisulfite	7631-90-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low			X		X	X		X	
Sodium Carbonate	497-19-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X		X	X	X	X		X	
Sodium Carboxymethylcellulose	9004-32-4	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low	X			X	X	X		X	
Sodium Chloride	7647-14-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Sodium Citrate	6132-04-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low			X		X	X		X	
Sodium Dodecyl Sulfate	151-21-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Sodium Hydroxide	1310-73-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X	X	X	X	X	X		X	
Sodium Hypochlorite	7681-52-9	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	No	NA	No	Yes	3	3	3	High			X		X	X		X	
Sodium lignosulfonate	8061-51-6	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low	X			X	X	X		X	
Sodium nitrite	7632-00-0	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	2	1	1 [4]	Low	X			X	X	X		X	
Sodium persulfate	7775-27-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low		X			X	X		X	
Sodium Polyacrylate	9003-04-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	Yes	No	No	1	1	1	Low	X			X	X	X		X	
Sodium polynaphthalene sulfonate	9008-63-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	Yes	No	No	1	1	1	Low	X			X	X	X		X	
Sodium silicate	1344-09-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low	X			X	X	X		X	
Sodium Sulfate	7757-82-6	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	No	1	1	1	Low		X			X	X		X	
Sorbitan monolaurate, ethoxylated	9005-64-5	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low	X			X	X	X		X	
Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	Yes	No	No	1	1	1	Low	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	NR	-	Not a PBT	No	No	No	Yes	No	No	1	1	1	Low	X			X	X	X		X	
Soybean oil	8001-22-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Starch	9005-25-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1	Low	X			X	X	X		X	
Sulfuric Acid	7664-93-9	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	NA	No	Yes	1	2	1 [4]	Low			X		X	X		X	
Tall oil fatty acid/diethylenetriamine reaction product	61790-69-0	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low			X		X	X		X	
Tallow alkylamine, ethoxylated	61791-26-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low			X		X	X		X	
Tetrakis(hydroxymethyl) phosphonium sulfate	55566-30-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low			X		X	X		X	
Tetramethyl ammonium chloride	75-57-0	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	Yes	1	3	1 [8]	Low		X			X	X		X	

Register of Assessed Chemicals

Santos

Chemical Name	CAS No.	Document Control					Overall PBT Assessment [2]	Chemical Databases of Concern Assessment Step		Persistence Assessment Step		Bioaccumulative Assessment Step	Toxicity Assessment Step			Tier[4]	Risk Level	Assessed Activity(ies)			Assessed Use(s)					
		Chemical Assessment Date	Independent Peer Reviewer[1]	Department Notification Date	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[3]	Chronic Toxicity[3]			Drilling and Completions	Hydraulic Fracturing	Water Treatment	Residual Drilling Material	Irrigation	Stockwatering	Surface Water	Dust Supression/ Construction	TBA
Tributyl tetradecyl phosphonium chloride	81741-28-8	9/12/2020	NA	NA	28/04/2021	-	Not a PBT	No	No	Yes	No	No	Yes	3	3	3	High		X			X	X		X	
Trimethylamine hydrochloride	593-81-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	No data	1	Low		X			X	X		X	
Vinylamide/vinyl sulfonated polymer	110897-64-8	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low	X			X	X	X		X	
Xanthan Gum	11138-66-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	Yes	No	No	No	1	1	1	Low	X			X	X	X		X	
Silica																										
Crystalline silica, cristobalite	14464-46-1	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1[h]	Low	X			X	X	X		X	
Crystalline silica, quartz	14808-60-7	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1[h]	Low	X			X	X	X		X	
Crystalline silica, tridymite	15468-32-3	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1[h]	Low	X			X	X	X		X	
Diatomaceous earth	61790-53-2	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	NA	No	No	No	1	1	1[h]	Low	X			X	X	X		X	
Wood Products																										
Almond Hulls	NS	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1[i]	Low	X			X	X	X		X	
Nut Hulls	Mixture	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1[i]	Low	X			X	X	X		X	
Vegetable Fibre	NS	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1[i]	Low	X			X	X	X		X	
Walnut hulls	Mixture (1756)	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1[i]	Low	X			X	X	X		X	
Wood fiber	Mixture (1757)	9/12/2020	14/04/2021	28/04/2021	NR	-	Not a PBT	No	No	No	No	No	No	1	1	1[i]	Low	X			X	X	X		X	

Footnotes:

1 - Only required for new Tier 1 and Tier 2 chemicals

2 = PBT Assessment based on PBT Framework.

3 = Acute and chronic aquatic toxicity evaluated consistent with assessment criteria and framework.

4 = Categorisation as defined in assessment framework.

a - Similar polymers grouped together. See assessment for CAS NO.25085-02-3

b - Impurities present at de minimus levels. See assessment for CAS NO. 4080-31-3

c - Similar polymers grouped together. See assessment for CAS NO. 9003-11-6

d - Preponderance of data indicates appropriateness of Tier 2. See dossier for more information.

e - Degradation product. See assessment for CAS NO. 533-74-4

f - Similar polymers grouped together. See assessment for CAS NO. 25322-69-4

g - Preponderance of data indicates appropriateness of Tier 1. See dossier for more information.

h - Similar chemicals grouped together. See assessment for 14464-46-1/14808-60-7/15468-32-3/61790-53-2

i - Similar chemicals grouped together. Assessment for wood products includes almond hulls, nut hulls, walnut hulls, vegetable fibre and wood fibre

Notes:

NA = not applicable

NR = not required

NS = not supplied

PBT = Persistent, Bioaccumulative and Toxic

B = bioaccumulative

P = persistent

T = toxic