

## 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
5/05/2021	1	2012/6615 - Department approval of Tier 3 chemical
25/05/2021	2	2012/6615 - Addition of new Tier 1 chemicals, revision of one existing Tier 1 chemical
3/08/2021	3	2012/6615 - Addition of new Tier 1 and Tier 2 chemicals
18/08/2021	4	2012/6615 - Update to Assessed Activity(ies) details
3/09/2021	5	2012/6615 - Addition of new Tier 1 and Tier 2 chemical
9/11/2021	6	2012/6615 - Addition of new Tier 1 and Tier 2 chemicals
7/12/2021	7	2012/6615 - Addition of new Tier 1 chemicals
14/01/2022	8	2012/6615 - Department approval of Tier 3 chemical
13/04/2022	9	2012/6615 - Addition of new Tier 1 and Tier 2 chemicals
2/05/2022	10	2012/6615 - Department approval of Tier 3 chemical
14/09/2022	11	2012/6615 - Addition of new Tier 1 chemicals 2014/7376 - Addition of new Tier 1 and Tier 2 chemicals Amendment of Register to include additional Department Notification Date and Approval(s) columns
25/11/2022	12	2012/6615 - Addition of new Tier 1 and Tier 2 chemicals 2012/6615 - Department approval of Tier 3 chemicals 2012/6615 - Administrative amendment of two existing Tier 2 documents (69011-36-5 and 90622-58-5) 2014/7376 - Addition of new Tier 1 and Tier 2 chemicals 2014/7376 - Department approval of Tier 3 chemicals
1/12/2022	13	2014/7376 - Addition of new Tier 1 chemical

Register of Assessed Chemicals

Table with 31 columns: Chemical Name, CAS No., Document Control (Chemical Assessment Date, Independent Peer Review, Department Notification Date - EPBC 2012/6615, Department Notification Date - EPBC 2014/7376, Department Approval Date, Chemical Re-evaluation Date), Overall PBT Assessment, Chemical Databases of Concern Assessment Step (Listed as a CDC on relevant databases?, Identified as Polymer of Low Concern), Persistence Assessment Step (P criteria fulfilled?, Other P Concerns, B criteria fulfilled?), Bioaccumulative Assessment Step (B criteria fulfilled?), Toxicity Assessment Step (T criteria fulfilled?, Acute Toxicity, Chronic Toxicity), Tier, Risk Level, Approval(s) (EPBC 2012/6615, EPBC 2014/7376), Assessed Activity(ies) (Drilling and Completions, Hydraulic Fracturing, Water Treatment, Residual Drilling Material, Irrigation, Stockwatering, Surface Water, Dust Suppression/Construction, TBA), Assessed Use(s).



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>4</sup>	Risk Level	Approval(s)		Assessed Activity(ies)			Assessed Use(s)						
		Chemical Assessment Date	Independent Peer Review <sup>2</sup>	Department Notification Date - EPBC 2012/6615	Department Notification Date - EPBC 2014/7376	Department Approval Date	Chemical Re-evaluation Date		Listed as a CDC on relevant databases?	Identified as Polymer of Low Concern?	P criteria fulfilled?	Other P Concerns		B criteria fulfilled?	T criteria fulfilled?	Acute Toxicity <sup>3</sup>			Chronic Toxicity <sup>3</sup>	EPBC 2012/6615	EPBC 2014/7376	Drilling and Completions	Hydraulic Fracturing	Water Treatment	Residual Drilling Material	Irrigation	Stockwatering	Surface Water	Dust Suppression/ Construction	TBA
Tall oil fatty acid/diethylenetriamine reaction product	61790-69-0	9/12/2020	14/04/2021	28/04/2021	NA	NR	-	Not a PBT	No	No	No	No	No	1	No data	1	Low	X		X		X	X	X	X					
Tallow alkylamine, ethoxylated	61791-26-2	9/12/2020	14/04/2021	28/04/2021	NA	NR	-	Not a PBT	No	No	No	No	No	1	No data	1	Low	X		X		X	X	X	X					
Tetrakis(hydroxymethyl) phosphonium sulfate	55566-30-8	9/12/2020	14/04/2021	28/04/2021	NA	NR	-	Not a PBT	No	No	No	No	No	1	No data	1	Low	X		X		X	X	X	X					
Tetramethyl ammonium chloride	75-57-0	9/12/2020	14/04/2021	28/04/2021	NA	NR	-	Not a PBT	No	No	No	No	Yes	1	3	1 <sup>1</sup>	Low	X		X		X	X	X	X					
Tributyl tetradecyl phosphonium chloride	81741-28-8	9/12/2020	NA	NA	NA	28/04/2021	-	Not a PBT	No	No	Yes	No	Yes	3	3	3	High	X		X		X	X	X	X					
Triethanolamine	102-71-6	26/07/2021	2/08/2021	4/08/2021	14/09/2022	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X					
Trimethylamine hydrochloride	593-81-7	9/12/2020	14/04/2021	28/04/2021	NA	NR	-	Not a PBT	No	No	No	No	No	1	No data	1	Low	X		X		X	X	X	X					
Ulexite	1319-33-1	26/07/2021	2/08/2021	4/08/2021	14/09/2022	NR	-	Not a PBT	No	No	NA	No	No	1	1	1	Low	X	X	X	X	X	X	X	X					
Vinylamide/trimethyl sulfonated polymer	110897-64-8	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	Yes	No	No	1	1	1	Low	X	X	X	X	X	X	X	X					
Vinylidene chloride/methylacrylate copolymer	25038-72-6	1/09/2021	3/12/2021	7/12/2021	NA	NR	-	Not a PBT	No	Yes	Yes	No	No	1	1	1	Low	X		X		X	X	X	X					
Water (in Products)	7732-18-5	20/06/2021	2/08/2021	4/08/2021	14/09/2022	NR	-	Not a PBT	No	No	No	No	No	1	1	1	Low	X	X	X	X	X	X	X	X					
Xanthan Gum	11138-66-2	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	Yes	No	No	1	1	1	Low	X	X	X	X	X	X	X	X					
Silica																														
Crystalline silica, cristobalite	14464-46-1	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	NA	No	No	1	1	1 <sup>1</sup>	Low	X	X	X	X	X	X	X	X					
Crystalline silica, quartz	14898-60-7	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	NA	No	No	1	1	1 <sup>1</sup>	Low	X	X	X	X	X	X	X	X					
Crystalline silica, tridymite	15468-32-3	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	NA	No	No	1	1	1 <sup>1</sup>	Low	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	NR	-	Not a PBT	No	No	NA	No	No	1	1	1 <sup>1</sup>	Low	X	X	X	X	X	X	X	X					
Non-crystalline silica (impurity)	7631-86-8	3/11/2021	3/12/2021	7/12/2021	NA	NR	-	Not a PBT	No	No	NA	No	No	1	1	1 <sup>1</sup>	Low	X		X		X	X	X	X					
Diatomaceous earth, calcined	91053-39-3	3/11/2021	3/12/2021	7/12/2021	NA	NR	-	Not a PBT	No	No	NA	No	No	1	1	1 <sup>1</sup>	Low	X		X		X	X	X	X					
Wood Products																														
Almond Hulls	NS	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	No	No	No	1	1	1 <sup>1</sup>	Low	X	X	X	X	X	X	X	X					
Nut Hulls	Mixture	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	No	No	No	1	1	1 <sup>1</sup>	Low	X	X	X	X	X	X	X	X					
Vegetable Fibre	NS	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	No	No	No	1	1	1 <sup>1</sup>	Low	X	X	X	X	X	X	X	X					
Walnut hulls	Mixture 117561	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	No	No	No	1	1	1 <sup>1</sup>	Low	X	X	X	X	X	X	X	X					
Wood fiber	Mixture 117321	9/12/2020	14/04/2021	28/04/2021	14/09/2022	NR	-	Not a PBT	No	No	No	No	No	1	1	1 <sup>1</sup>	Low	X	X	X	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

**Notes:**

- NA = not applicable
- NR = not required
- NS = not supplied
- PBT = Persistent, Bioaccumulative and Toxic
- B = bioaccumulative
- P = persistent
- T = toxic

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 14464-46-1/14898-60-7/15468-32-3/61790-53-2/7631-86-8/91053-39-3  
 i - Similar chemicals grouped together. Assessment for wood products includes almond hulls, nut hulls, walnut hulls, vegetable fibre and wood fibre  
 j - Similar chemicals grouped together. See assessment for 10043-35-3/1303-96-4  
 k - Similar chemicals grouped together. See assessment for 595585-15-2/125005-87-0