

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	01/23/2022
Province:	BC
Region:	Boundary
Well Number:	23855
Operator Name:	Enercapita Energy Ltd.
Well Name:	ENERCAPITA BOUNDARY A02-08-086-13
Longitude:	-120.005141
Latitude:	56.261296
Long/Lat Projection:	NAD83
Production Type:	Undefined
True Vertical Depth (TVD):	1,480
Total Water Volume (m3)*:	90.38

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Fresh Water	Enercapita	Carrier	water		100.00%	80.92634%	
Sand - Tier 1 30/50	Trican	Proppant	silica crystalline	14808-60-7	100.00%	18.53480%	
HVFR-8 (High Viscosity Friction Reducer)	Trican	Friction Reducer	non-hazardous ingredients		70.00%	0.31223%	
			distillates (petroleum), hydrotreated light naphthenic	64742-53-6	50.00%	0.22302%	
S-30 Surfactant	Trican	Surfactant	methanol	67-56-1	30.00%	0.00978%	
			methyloxirane polymer with oxirane	9003-11-6	5.00%	0.00163%	
			1-hexanol, 2-ethyl-, manuf. of, by-products from, distn. residues	68609-68-7	5.00%	0.00163%	
			benzenesulfonic acid, dodecyl-, compd. with 2-aminoethanol	26836-07-7	5.00%	0.00163%	
			non-hazardous ingredients		55.00%	0.01793%	
CC-10	Trican	Clay Control	non-hazardous ingredients		100.00%	0.03369%	
Aquacar DB20 Biocide	Trican	Bactericide/Biocide	polyethylene glycol	25322-68-3	54.50%	0.00494%	
			dibromoacetone	3252-43-5	0.50%	0.00005%	
			2,2-dibromo-3-nitrilopropionamide	10222-01-2	20.00%	0.00181%	
			sodium bromide	7647-15-6	4.00%	0.00036%	
			non-hazardous ingredients		21.00%	0.00190%	
WBO-2 Breaker Oxidizer	Trican	Breaker	sodium persulfate	7775-27-1	100.00%	0.01749%	

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* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Information provided in this form with respect to ingredients in the fracturing fluid is consistent with the Material Safety Data Sheet (MSDS) information. The operator has completed this form with the information provided by the supplier. The operator cannot provide any of the supplier's proprietary information, trade secrets or confidential business information.