2014 Shell Chukchi Drilling Fluids List

Chemical	OSPAR rating	Green	Comments
ASPHASOL SUPREME	Nonclassified		
Busan 1060	Nonclassified		
CF DESCO II	Nonclassified		
Citric Acid	PLONOR	Yes	
CLEAN SPOT	Nonclassified		
DEFOAM-X	HOCNF	Yes	
DUO-VIS	PLONOR	Yes	
EMI-2009	Nonclassified		
EMI-2076	Nonclassified		
FORM-A-BLOK	Nonclassified		LCM material Contingency
FORM-A-SET AK	PLONOR	Yes	LCM material Contingency
Gelex Bent Extender	Nonclassified		
G-SEAL	PLONOR	Yes	LCM material Contingency
G-SEAL PLUS	PLONOR	Yes	LCM material Contingency
IDCAP D Shale Inhibitor	PLONOR	Yes	
KLA-STOP	Nonclassified		
M-I GEL	PLONOR	Yes	
M-I GEL Export	PLONOR	Yes	
M-I SEAL coarse	PLONOR	Yes	LCM material Contingency
M-I SEAL medium	PLONOR	Yes	
M-I WATE (barite) Bulk	PLONOR	Yes	
M-I-X II fine	PLONOR	Yes	LCM material Contingency
M-I-X II medium	PLONOR	Yes	LCM material Contingency
PECAN NUT PLUG coarse	PLONOR	Yes	LCM material Contingency
PECAN NUT PLUG fine	PLONOR	Yes	LCM material Contingency
PECAN NUT PLUG medium	PLONOR	Yes	LCM material Contingency
POLYPAC SUPREME UL	PLONOR	Yes	
RESINEX	Nonclassified		
SAFE-CARB 20	PLONOR	Yes	
SAFE-CARB 250	PLONOR	Yes	
SAFE-CARB 40	PLONOR	Yes	
SAFE-CARB 500	PLONOR	Yes	
SAFESCAV HS	Nonclassified		
SAPP (sodium acid pyrophosphate)	PLONOR	Yes	
SCREENKLEEN	Nonclassified		
soda ash	PLONOR	Yes	
sodium bicarbonate	PLONOR	Yes	
sodium bromide	PLONOR	Yes	
sodium chloride/brine	PLONOR	Yes	

2014 Shell Chukchi Cement Additives **Halliburton**

Chemical	**OSPAR rating**	**Green**	**Comments**
Busan 1060	**Nonclassified**		
Cal-Seal	**Nonclassified**		
CFR-3	**Nonclassified**		
CFR-3L	**Nonclassified**		
Econolite L	**PLONOR**	**Yes**	
EZ-FLO II	**Nonclassified**		
HALAD 400L	**Nonclassified**		
HR-6L	**Nonclassified**		
Mitsubishi G	**Nonclassified**		
NaCl	**PLONOR**	**Yes**	
SA-1015	**Nonclassified**		
Sodium Citrate	**Nonclassified**		
Surfactant B	**Nonclassified**		
TUNED SPACER Blend	**Nonclassified**		