

BESTOLIFE STORAGE COMPOUND

Version 9.1	Revision Date: 11/06/2020	SDS Number: 117366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015		
SECTION	N 1. IDENTIFICATION				
Proc	luct name	: BESTOLIFE	STORAGE COMPOUND		
SDS	Identcode	: 437G			
Man	ufacturer or supplier's	s details			
Corr Addi	pany name of supplier ress	: Bestolife Corp : 2126 Vanco I Irving TX 750	Drive		
	phone	: 855-243-9164	1/972-865-8961		
Tele Eme	rgency telephone	: CHEMTREC	214-631-3047 CHEMTREC U.S.: 800-424-9300, International 703-527-3887 (24-hours/7 days)		
E-ma	ail address	: www.bestolife	www.bestolife.com		
Rec	ommended use of the	chemical and restr	ictions on use		
Recommended use		Thread Comp Offshore indu	 Industrial use Thread Compound (Pipe Dope) and Jacking grease for use in Offshore industries Mining, (without offshore industries) 		
Rest	trictions on use		oxygen lines or in oxygen enriched atmos-		

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Skin sensitization	:	Category 1		
GHS label elements Hazard pictograms	:			
Signal Word	:	Warning		
Hazard Statements	:	H317 May cause an allergic skin reaction.		
Precautionary Statements	:	Prevention: P261 Avoid breathing dust, fume, gas, mist, vapors or spray. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves.		
		Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical atten- tion. P363 Wash contaminated clothing before reuse.		
		1 / 24		



BESTOLIFE STORAGE COMPOUND

Version	Revision Date:	SDS Number:	Date of last issue: 05/06/2020
9.1	11/06/2020	117366-00018	Date of first issue: 05/18/2015

Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components		
Chemical name	CAS-No.	Concentration (% w/w)
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	>= 50 - < 70
Calcium carbonate	471-34-1	>= 10 - < 20
Limestone	1317-65-3	>= 10 - < 20
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 5 - < 10
Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	57855-77-3	>= 5 - < 10
12-Hydroxy lithium stearate	7620-77-1	>= 5 - < 10
Titanium dioxide	13463-67-7	>= 1 - < 5

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES



BESTOLIFE STORAGE COMPOUND

/ersion 0.1	Revision Date: 11/06/2020		DS Number: 7366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide ((Dry chemical	
Unsu medi	iitable extinguishing a	:	None known.	
Specific hazards during fire fighting Hazardous combustion prod- ucts		:	Exposure to com	bustion products may be a hazard to health.
		:	Carbon oxides Metal oxides Sulfur oxides	
Specific extinguishing meth- ods		:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to de
Special protective equipment for fire-fighters		:		e, wear self-contained breathing apparatus. tective equipment.

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Sweep up or vacuum up spillage and collect in suitable container for disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Advice on safe handling	 For outdoor use only Do not get on skin or clothing. Avoid breathing dust, fume, gas, mist, vapors or spray. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment



BESTOLIFE STORAGE COMPOUND

Version	Revision Date: 11/06/2020	SDS Number:	Date of last issue: 05/06/2020
9.1		117366-00018	Date of first issue: 05/18/2015
	itions for safe storage rials to avoid	environment. Keep in proper Store in accord	revent spills, waste and minimize release to the ly labeled containers. dance with the particular national regulations. ith the following product types: g agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Distillates (petroleum),	64742-52-5	TWA (Mist)	5 mg/m³	OSHA Z-1
hydrotreated heavy naphthenic				
		TWA (Inhal-	5 mg/m³	ACGIH
		able particu-		
		late matter)		
		TWA (Mist)	5 mg/m ³	NIOSH REL
		ST (Mist)	10 mg/m ³	NIOSH REL
Calcium carbonate	471-34-1	TWA (Res-	5 mg/m ³	NIOSH REL
		pirable)	(Calcium car-	
			bonate)	
		TWA (total)	10 mg/m ³	NIOSH REL
			(Calcium car-	
			bonate)	
Limestone	1317-65-3	TWA (total	15 mg/m³	OSHA Z-1
		dust)		
		TWA (respir-	5 mg/m³	OSHA Z-1
		able fraction)		
		TWA (Res-	5 mg/m ³	NIOSH REL
		pirable)	(Calcium car-	
			bonate)	
		TWA (total)	10 mg/m ³	NIOSH REL
			(Calcium car-	
	0.1710 50.0		bonate)	
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	TWA (Mist)	5 mg/m³	OSHA Z-1
		TWA (Inhal-	5 mg/m³	ACGIH
		able particu-		
		late matter)		
		TWA (Mist)	5 mg/m³	NIOSH REL
		ST (Mist)	10 mg/m³	NIOSH REL
12-Hydroxy lithium stearate	7620-77-1	TWA (Inhal-	10 mg/m ³	ACGIH
		able particu-		
		late matter)		
		TWA (Res-	3 mg/m³	ACGIH
		pirable par-		
		ticulate mat-		
		ter)		
Titanium dioxide	13463-67-7	TWA (total	15 mg/m³	OSHA Z-1
		dust)		

Ingredients with workplace control parameters



	11/06/2020	117366-00018	Date of first issue: 05	10/2013
			TWA 10 mg/m (Titaniun	n³ ACGIH n dioxide)
	e substance(s) are ir dust inhalation hazar Titanium diox	d.	the product and therefo	re do not contribute
Engi	neering measures	Dust formation product. In add limitations of co workplaces hav assessment. R Particulates No dust, 5 mg/m3 Particles (insolu	place exposure concentra may be relevant in the pi ition to substance-specifi procentrations of particular ve to be considered in wo elevant limits include: OS of Otherwise Regulated of - respirable fraction; and uble or poorly soluble) No ng/m3 - respirable particl eles.	rocessing of this ic OELs, general tes in the air at orkplace risk SHA PEL for f 15 mg/m3 - total ACGIH TWA for ot Otherwise
	onal protective equip			
Kesp	iratory protection	maintain vapor concentrations unknown, appr Follow OSHA r use NIOSH/MS by air purifying hazardous che supplied respira release, exposi	cal exhaust ventilation is exposures below recommended opriate respiratory protect espirator regulations (29 SHA approved respirators respirators against exposision mical is limited. Use a po ator if there is any potent ure levels are unknown, or where air purifying respirated ection.	mended limits. Where d limits or are ction should be worn. CFR 1910.134) and s. Protection provided sure to any sitive pressure air ial for uncontrolled or any other
Hand	f protection			
М	aterial	: Chemical-resis	tant gloves	
R	emarks	on the concent time is not dete For special app resistance to cl gloves with the	to protect hands against ration specific to place of ermined for the product. Co plications, we recommend nemicals of the aforemen glove manufacturer. Was he end of workday.	work. Breakthrough Change gloves often! d clarifying the tioned protective
Eye	protection		ving personal protective e	equipment:
Skin	and body protection	: Select appropri resistance data potential.	ate protective clothing ba and an assessment of thus the avoided by using it	he local exposure
Hygie	ene measures	clothing (gloves : If exposure to c eye flushing sy working place. When using do	s, aprons, boots, etc). chemical is likely during ty stems and safety shower not eat, drink or smoke. work clothing should not	ypical use, provide rs close to the



/ersion 9.1	Revision Date: 11/06/2020		S Number: 366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
			workplace. Wash contaminat	ed clothing before re-use.
SECTION	9. PHYSICAL AND CHE	EMIC	AL PROPERTIES	5
Appea	arance	:	Viscous semi-sol	id
Color		:	off-white	
Odor		:	Petroleum	
Odor	Threshold	:	No data available	9
pН		:	Not applicable (n	ot an aqueous solution)
Meltin	g point/freezing point	:	No data available	9
Initial range	boiling point and boiling	:	No data available	9
Flash	point	:	Not applicable	
Evapo	oration rate	:	Not applicable	
Flamr	nability (solid, gas)	:	Not classified as	a flammability hazard
	r explosion limit / Upper nability limit	:	No data available	9
Lower flamm	r explosion limit / Lower ability limit	:	No data available	2
Vapor	pressure	:	Not applicable	
Relati	ve vapor density	:	Not applicable	
Relati	ve density	:	1.0	
Densi	ty	:	No data available	9
Solub Wa	ility(ies) ater solubility	:	negligible	
	on coefficient: n-	:	Not applicable	
	ol/water gnition temperature	:	No data available	2
Decor	mposition temperature	:	No data available	9
Visco Vis	sity scosity, dynamic	:	No data available	9
Vis	scosity, kinematic	:	Not applicable	
Flow	time	:	No data available	9



BESTOLIFE STORAGE COMPOUND

Version 9.1	Revision Date: 11/06/2020	SDS Number: 117366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
Explo	sive properties	: Not explosive	
Oxidizing properties		: The substanc	e or mixture is not classified as oxidizing.
Moleo	cular weight	: No data availa	able
Partic	le size	: No data availa	able

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	Can react with strong oxidizing agents.
tions		
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition	:	No hazardous decomposition products are known.
products		

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Components:

Distillates (petroleum), hydrotreated heavy naphthenic:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 Remarks: Based on data from similar materials
Acute inhalation toxicity	:	LC50 (Rat): > 5.53 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Based on data from similar materials
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: Based on data from similar materials
Calcium carbonate: Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 420 Assessment: The substance or mixture has no acute oral tox-



rsion I	Revision Date: 11/06/2020	SDS Number: 117366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
		icity	
Acute in	nhalation toxicity	Method: OEC	 3 mg/l e: 4 h here: dust/mist D Test Guideline 403 The substance or mixture has no acute inhala-
Acute c	lermal toxicity		 2,000 mg/kg D Test Guideline 402 The substance or mixture has no acute derma
Limest	one:		
Acute c	oral toxicity	Assessment: icity	 2,000 mg/kg D Test Guideline 420 The substance or mixture has no acute oral to sed on data from similar materials
Acute in	nhalation toxicity	Method: OEC Assessment: tion toxicity	
Acute c	lermal toxicity	Assessment: toxicity	 2,000 mg/kg D Test Guideline 402 The substance or mixture has no acute derma sed on data from similar materials
Distilla	ites (petroleum), hy	drotreated light na	phthenic:
Acute c	oral toxicity		⊳ 5,000 mg/kg D Test Guideline 401
Acute in	nhalation toxicity	Method: OEC	
Acute c	lermal toxicity	: LD50 (Rabbit Assessment: toxicity	:): > 2,000 mg/kg The substance or mixture has no acute derma
Calciu	m bis(di C8-C10. bı	anched, C9 rich. all	kylnaphthalenesulphonate):
	oral toxicity	: LD50 (Rat): >	



ersion 1	Revision Date: 11/06/2020	SDS Number 117366-0001	
Acute	dermal toxicity	: LD50 (Ra	abbit): > 5,000 mg/kg
12-Hy	droxy lithium stear	ate:	
-	oral toxicity	: LD50 (Ra	at): > 2,000 mg/kg ent: The substance or mixture has no acute oral to
Titani	um dioxide:		
Acute	oral toxicity	: LD50 (Ra	at): > 5,000 mg/kg
Acute	inhalation toxicity	Exposure Test atmo	at): > 6.82 mg/l e time: 4 h osphere: dust/mist ent: The substance or mixture has no acute inhala ity
	corrosion/irritation	ailable informatio	n.
<u>Comp</u>	onents:		
Distill	ates (petroleum), h	ydrotreated heav	vy naphthenic:
Specie	es	: Rabbit	
Result	:	: No skin ir	
Rema	rks	: Based on	n data from similar materials
Calciı	ım carbonate:		
Specie		: Rabbit	
Metho			est Guideline 404
Result		: No skin ir	ritation
Limes	tone:		
Specie		: Rabbit	
Metho			est Guideline 404
Result		: No skin ir	ritation data from similar materials
Rema	IKS	. Based of	
	ates (petroleum), h		t naphthenic:
Specie		: Rabbit	
Result		: No skin ir	Titation
Calciu	ım bis(di C8-C10, b	ranched, C9 rich	n, alkylnaphthalenesulphonate):
Specie		: Rabbit	
Result		: Skin irrita	
Rema	rks	: Based on	a data from similar materials
12-Hy	droxy lithium stear	ate:	
Specie		: Rabbit	
Result		: No skin ir	ritation



sion	Revision Date: 11/06/2020	SDS Number: Date of last issue: 05/06/2020 117366-00018 Date of first issue: 05/18/2015	
Rema	rks	: Based on data from similar materials	
Titani	um dioxide:		
Specie	es	: Rabbit	
Result	t	: No skin irritation	
Serio	us eye damage/eye	ritation	
Not cla	assified based on ava	lable information.	
<u>Comp</u>	onents:		
Distill	ates (petroleum), hy	drotreated heavy naphthenic:	
Specie		: Rabbit	
Result		 No eye irritation Based on data from similar materials 	
Rema	IKS	. Based on data from similar materials	
Calciu	um carbonate:		
Specie		: Rabbit	
Result	•	: No eye irritation	
Metho	D	: OECD Test Guideline 405	
Limes	stone:		
Specie	es	: Rabbit	
Resul		: No eye irritation	
Metho		: OECD Test Guideline 405	
Rema	rks	: Based on data from similar materials	
Distill	ates (petroleum), hy	drotreated light naphthenic:	
Specie		: Rabbit	
Result	t	: No eye irritation	
Calciu	um bis(di C8-C10, bı	anched, C9 rich, alkylnaphthalenesulphonate):	
Specie	es	: Rabbit	
Result	t	: Irritation to eyes, reversing within 21 days	
Rema	rks	: Based on data from similar materials	
12-Hy	droxy lithium steara	ie:	
Specie		: Rabbit	
Result		No eye irritation	
Rema	rks	: Based on data from similar materials	
Titani	um dioxide:		
Specie		: Rabbit	
Result	t	: No eye irritation	
Respi	ratory or skin sensi	zation	
-	sensitization		
May c	ause an allergic skin	eaction.	
		10 / 24	



BESTOLIFE STORAGE COMPOUND

Version	Revision Date:	SDS Number:	Date of la
9.1	11/06/2020	117366-00018	Date of fir

Date of last issue: 05/06/2020 Date of first issue: 05/18/2015

Respiratory sensitization

Not classified based on available information.

Components:

Distillates (petroleum), hydrotreated heavy naphthenic:

Routes of exposure Species Result	:	Buehler Test Skin contact Guinea pig negative Based on data from similar materials
Remarks	:	Based on data from similar materials

Calcium carbonate:

Test Type	:	Local lymph node assay (LLNA)
Routes of exposure	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative

Limestone:

Test Type :	Local lymph node assay (LLNA)
Routes of exposure :	Skin contact
Species	Mouse
Method :	OECD Test Guideline 429
Result :	negative
Remarks :	Based on data from similar materials

Distillates (petroleum), hydrotreated light naphthenic:

Test Type	:	Buehler Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	negative

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate):

Test Type Routes of exposure Species Result Remarks		Buehler Test Skin contact Guinea pig positive Based on data from similar materials
Assessment	:	Probability or evidence of low to moderate skin sensitization rate in humans

12-Hydroxy lithium stearate:

Test Type	:	Local lymph node assay (LLNA)
Routes of exposure	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative



Version 9.1	Revision Date: 11/06/2020	SDS Number: 117366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
Titan	ium dioxide:		
Test ⁻	Type es of exposure es	: Local lymph : Skin contac : Mouse : negative	n node assay (LLNA) t
Germ	cell mutagenicity		
Not c	assified based on av	ailable information.	
<u>Com</u>	<u>ponents:</u>		
Distil	lates (petroleum), h	ydrotreated heavy	naphthenic:
Geno	toxicity in vitro		Bacterial reverse mutation assay (AMES) ECD Test Guideline 471 ative
Geno	toxicity in vivo	cytogenetic Species: M Application Method: OE Result: neg	ouse Route: Intraperitoneal injection ECD Test Guideline 474
Calci	um carbonate:		
Geno	toxicity in vitro		Bacterial reverse mutation assay (AMES) ECD Test Guideline 471 ative
			Chromosome aberration test in vitro ECD Test Guideline 473 ative
			In vitro mammalian cell gene mutation test ECD Test Guideline 476 ative
Limo	stone:		
	toxicity in vitro	Method: OE Result: neg	Bacterial reverse mutation assay (AMES) ECD Test Guideline 471 ative Based on data from similar materials
		Method: OE Result: neg	Chromosome aberration test in vitro ECD Test Guideline 473 ative Based on data from similar materials
		Method: OE Result: neg	In vitro mammalian cell gene mutation test ECD Test Guideline 476 ative Based on data from similar materials



rsion	Revision Date: 11/06/2020	-	S Number: 7366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015	
Distil	lates (petroleum), hy	drotre	ated light nap	nthenic:	
	toxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 476 Result: negative		
Geno	toxicity in vivo	:	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Method: OECD Test Guideline 474 Result: negative		
Calci	um bis(di C8-C10, bra	anche	d, C9 rich, alky	Inaphthalenesulphonate):	
Geno	toxicity in vitro	:	Method: OECD Result: negative	terial reverse mutation assay (AMES) Test Guideline 471 e d on data from similar materials	
			Method: OECD Result: negative		
			Remarks: Base	d on data from similar materials	
				omosome aberration test in vitro Test Guideline 473 e	
			0	d on data from similar materials	
Titani	ium dioxide:				
Geno	toxicity in vitro	:	Test Type: Bac Result: negative	terial reverse mutation assay (AMES) e	
Geno	toxicity in vivo	:	Test Type: In vivo micronucleus test Species: Mouse Result: negative		
Carci	nogenicity				
Not cl	assified based on avail	ilable i	nformation.		
<u>Produ</u>					
Carcir ment	nogenicity - Assess-	:	based on DMS	lates have been classified as not carcinogenie O extract content < 3% (Regulation (EC) nex VI, Part 3, Note L).	
Com	<u>oonents:</u>				
Distil	lates (petroleum), hy	drotre	ated heavy na	ohthenic:	
Speci		:	Mouse		
	cation Route sure time	:	Skin contact 78 weeks		
•		:	OECD Test Gu	ideline 451	
Metho					



/ersion).1	Revision Date: 11/06/2020	SDS Number: 117366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
	ates (petroleum), hy		hthenic:
	ation Route ure time	: Mouse : Skin contact : 78 weeks : negative	
rteoun		negutive	
	um dioxide:		
Specie	es ation Route	: Rat : inhalation (dus	t/mist/fume)
	ure time	: 2 Years	
Metho	d	: OECD Test Gu	uideline 453
Result Rema		: positive : The mechanisi mans.	n or mode of action may not be relevant in hu-
Carcin ment	ogenicity - Assess-	: Limited eviden animals.	ce of carcinogenicity in inhalation studies with
IARC	Group 2B: F Titanium die	Possibly carcinogenic oxide	to humans 13463-67-7
OSHA		ent of this product pre list of regulated carcir	esent at levels greater than or equal to 0.1% is nogens.
NTP			ent at levels greater than or equal to 0.1% is ed carcinogen by NTP.
Repro	ductive toxicity		
-	assified based on ava	ilable information.	
<u>Comp</u>	onents:		
Calciu	ım carbonate:		
Effects	s on fertility	reproduction/d Species: Rat Application Ro) Test Guideline 422
Effects	s on fetal developmen	Species: Rat Application Ro) Test Guideline 414
Limes	tone:		
Effects	s on fertility		nbined repeated dose toxicity study with the evelopmental toxicity screening test ute: Ingestion
		14 / 24	4



	Revision Date: 11/06/2020	SDS Number: 117366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
		Result: negati	D Test Guideline 422 ve sed on data from similar materials
Effects	on fetal development	reproduction/o Species: Rat Application Ro Method: OEC Result: negati	ombined repeated dose toxicity study with the developmental toxicity screening test oute: Ingestion D Test Guideline 422 ve sed on data from similar materials
Distilla	ates (petroleum), hyd	rotreated light nar	ohthenic:
	on fertility	: Test Type: Re test Species: Rat	production/Developmental toxicity screening oute: Ingestion
Effects	on fetal development	Species: Rat	nbryo-fetal development oute: Skin contact ve
Calciu	m bis(di C8-C10, braı	nched, C9 rich, all	yInaphthalenesulphonate):
Effects	on fertility	reproduction/o Species: Rat Application Ro Method: OEC Result: negati	ombined repeated dose toxicity study with the developmental toxicity screening test oute: Ingestion D Test Guideline 422 ve sed on data from similar materials
Effects	on fetal development	reproduction/o Species: Rat Application Ro Method: OEC Result: negati	ombined repeated dose toxicity study with the developmental toxicity screening test oute: Ingestion D Test Guideline 422 ve sed on data from similar materials
	single exposure Issified based on availa	ble information.	
	repeated exposure ssified based on availa	ble information.	
Comp	onents:		
40 11.0	droxy lithium stearate	:	
1 2-ПY (-	: Ingestion	



BESTOLIFE STORAGE COMPOUND

Version	Revision Date:	SDS Number:	Date of last issue: 05/06/2020
9.1	11/06/2020	117366-00018	Date of first issue: 05/18/2015

Repeated dose toxicity

Components:

Distillates (petroleum), hydrotreated heavy naphthenic:

Species :	Rat
NOAEL :	> 0.98 mg/l
Application Route :	inhalation (dust/mist/fume)
Exposure time :	28 Days
Remarks :	Based on data from similar materials

Calcium carbonate:

Limestone:

Species :	Rat
NOAEL :	> 300 mg/kg
Application Route :	Ingestion
Exposure time :	28 Days
Method :	OECD Test Guideline 422
Remarks :	Based on data from similar materials

Distillates (petroleum), hydrotreated light naphthenic:

Species	:	Rabbit
NOAEL	:	1,000 mg/kg
Application Route	:	Skin contact
Exposure time	:	4 Weeks
Method	:	OECD Test Guideline 410

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate):

Rat

Species	:	Rat
NOAEL	:	100 mg/kg
LOAEL	:	300 mg/kg
Application Route	:	Ingestion
Exposure time	:	90 Days
Method	:	OECD Test Guideline 408

12-Hydroxy lithium stearate:

Species	:	Rat
NOAEL	:	> 88 mg/kg
Application Route	:	Ingestion
Exposure time	:	90 Days

Titanium dioxide:

- ·	
Sharias	•
Species	



BESTOLIFE STORAGE COMPOUND

Version 9.1	Revision Date: 11/06/2020	SDS Number: 117366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
	EL cation Route sure time	: 24,000 mg/ : Ingestion : 28 Days	٨ġ
		: Rat : 10 mg/m³ : inhalation (d : 2 y	dust/mist/fume)

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Distillates (petroleum), hydrotreated heavy naphthenic:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 10 mg/l Exposure time: 21 d Remarks: Based on data from similar materials
Toxicity to microorganisms	:	NOEC: > 1.93 mg/l Exposure time: 10 min Remarks: Based on data from similar materials
Calcium carbonate:		
Toxicity to fish	:	LL50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202



BESTOLIFE STORAGE COMPOUND

ersion 1	Revision Date: 11/06/2020		S Number: 7366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
Toxic plants	ity to algae/aquatic	:	mg/l Exposure time: 72	Vater Accommodated Fraction
			mg/l Exposure time: 72	Vater Accommodated Fraction
Toxic	ity to microorganisms	:	NOEC: 1,000 mg/ Exposure time: 3 Method: OECD Te	h
			EC50: > 1,000 mg Exposure time: 3 Method: OECD Te	h
Lime	stone:			
Toxic	ity to fish	:	Exposure time: 96 Test substance: V Method: OECD Te	Vater Accommodated Fraction
	ity to daphnia and other ic invertebrates	:	Exposure time: 48 Test substance: V Method: OECD Te	Vater Accommodated Fraction
Toxic plants	ity to algae/aquatic	:	Exposure time: 72 Test substance: V Method: OECD Te Remarks: No toxid	Vater Accommodated Fraction
			Exposure time: 72 Test substance: V Method: OECD Te Remarks: No toxid	Vater Accommodated Fraction
Toxic	ity to microorganisms	:	EC50: > 100 mg/l Exposure time: 3 Method: OECD Te Remarks: Based of	h
Distil	lates (petroleum), hydr	otre	eated light naphth	enic:
	ity to fish	:		s promelas (fathead minnow)): > 100 mg/l

18 / 24



/ersion 0.1	Revision Date: 11/06/2020	-	9S Number: 7366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
			Exposure time: 96 Test substance: V	6 h Vater Accommodated Fraction
	ty to daphnia and other c invertebrates	:	Exposure time: 48	agna (Water flea)): > 10,000 mg/l 3 h Vater Accommodated Fraction
Toxici plants	ty to algae/aquatic	:	100 mg/l Exposure time: 72	kirchneriella subcapitata (green algae)): >= 2 h Vater Accommodated Fraction
	ty to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 27	nagna (Water flea)): 10 mg/l I d
	ty to microorganisms	:	NOEC (Photobac Exposure time: 4	terium phosphoreum): > 2.17 mg/l d
Calciu	um bis(di C8-C10, bran	che	d, C9 rich, alkyln	aphthalenesulphonate):
Toxici	ty to fish	:	Exposure time: 96 Test substance: W Method: OECD T	Vater Accommodated Fraction
	ty to daphnia and other c invertebrates	:	Exposure time: 48 Test substance: V Method: OECD T	Vater Accommodated Fraction
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction
			mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction
	ty to daphnia and other c invertebrates (Chron- city)	:	Exposure time: 2	Vater Accommodated Fraction
Toxici	ty to microorganisms	:	NOEC: > 100 mg. Exposure time: 3 Method: OECD T Remarks: Based	h



BESTOLIFE STORAGE COMPOUND

rsion	Revision Date: 11/06/2020		9S Number: 7366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
12-H\	/droxy lithium stearate			
-	ity to fish	:	Exposure time:	nchus mykiss (rainbow trout)): > 100 mg/l 96 h 9 Test Guideline 203
	ity to daphnia and other ic invertebrates	:	Exposure time:	magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202
Toxici plants	ity to algae/aquatic	:	100 mg/l Exposure time:	dokirchneriella subcapitata (green algae)): > 72 h 9 Test Guideline 201
Titani	ium dioxide:			
Toxic	ity to fish	:	Exposure time:	rnchus mykiss (rainbow trout)): > 100 mg/l 96 h) Test Guideline 203
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia Exposure time:	a magna (Water flea)): > 100 mg/l 48 h
Toxici plants	ity to algae/aquatic	:	EC50 (Skeletor Exposure time:	nema costatum (marine diatom)): > 10,000 m 72 h
Toxic	ity to microorganisms	:	EC50: > 1,000 Exposure time: Method: OECD	
Persi	stence and degradabili	ity		
Com	oonents:			
Distil	lates (petroleum), hydr	otre	eated heavy na	phthenic:
Biode	gradability	:	Result: Not rea Biodegradation	dily biodegradable.
			Exposure time:	
Distil	lates (petroleum), hydr	otre	eated light napl	nthenic:
Biode	gradability	:	Biodegradation Exposure time:	
Calci	um bis(di C8-C10, bran	iche	ed, C9 rich, alky	/Inaphthalenesulphonate):
	gradability			dily biodegradable.

12-Hydroxy lithium stearate:



BESTOLIFE STORAGE COMPOUND

Version 9.1	Revision Date: 11/06/2020	SDS Number: 117366-00018	Date of last issue: 05/06/2020 Date of first issue: 05/18/2015
Biode	egradability	: Result: Readily Biodegradation Exposure time: Method: OECD	: 78 %
Bioa	ccumulative potential		
Com	ponents:		
Partit	um bis(di C8-C10, bra ion coefficient: n- ol/water		Inaphthalenesulphonate):
	lity in soil ata available		
••	r adverse effects ata available		
SECTION	13. DISPOSAL CONS	IDERATIONS	

Disposal methods

Waste from residues Contaminated packaging	 Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.
	If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG Not regulated as a dangerous good

IATA-DGR Not regulated as a dangerous good

IMDG-Code Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

Domestic regulation

49 CFR Not regulated as a dangerous good



BESTOLIFE STORAGE COMPOUND

Version	Revision Date:	SDS Number:	Date of last issue: 05/06/2020
9.1	11/06/2020	117366-00018	Date of first issue: 05/18/2015

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Respiratory or skin sensitization
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SARA 313

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
Calcium carbonate	471-34-1
Limestone	1317-65-3
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6
Calcium bis(di C8-C10, branched, C9 rich, alkylnaphtha-	57855-77-3
lenesulphonate)	
12-Hydroxy lithium stearate	7620-77-1
Titanium dioxide	13463-67-7

California Prop. 65

WARNING: This product can expose you to chemicals including Titanium dioxide, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances

•		•••	botanooo	
	Distillates (petroleur Distillates (petroleur	64742-52-5 64742-53-6		
Californi	a Permissible Expo	sur	e Limits for Chemical Contaminants	
Distillates (petroleum), hydrotreated heavy naphthenic Calcium carbonate Limestone Distillates (petroleum), hydrotreated light naphthenic Titanium dioxide				64742-52-5 471-34-1 1317-65-3 64742-53-6 13463-67-7
The ingr	edients of this prod	uct	are reported in the following invento	ories:
DSL		:	All components of this product are on	the Canadian DSL
TSCA		:	All chemical substances in this product TSCA Inventory or are in compliance vexemption.	
AICS		:	All ingredients listed or exempt.	



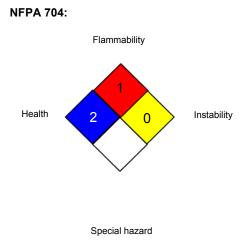
BESTOLIFE STORAGE COMPOUND

Version	Revision Date:	SDS Number:	Date of last issue: 05/06/2020
9.1	11/06/2020	117366-00018	Date of first issue: 05/18/2015

HMIS® IV:

SECTION 16. OTHER INFORMATION

Further information





HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Oth-



BESTOLIFE STORAGE COMPOUND

Version	Revision Date:	SDS Number:	Date of last issue: 05/06/2020
9.1	11/06/2020	117366-00018	Date of first issue: 05/18/2015

erwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

Revision Date : 11/06/2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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