

Version 1.2	n Revision Date: 08/19/2015		DS Number:Date of last issue: 05/18/20157408-00002Date of first issue: 05/18/2015			
SECTI	ON 1. IDENTIFICATION					
Pi	Product name		2010® NM ULTF	A		
SI	DS-Identcode	:	380G			
М	anufacturer or supplier's	deta	ails			
C	ompany name of supplier	:	Bestolife Corpora	ition		
Ad	Address		2777 N. Stemmons Frwy Ste 1800 Dallas TX 75207,			
Τe	elephone	:	855-243-9164/972-865-8961			
Те	elefax	:	214-631-3047			
Eı	nergency telephone	:	CHEMTREC U.S.: 800-424-9300, International 703-527 (24-hours/7 days)			
E	mail address	:	www.bestolife.com			
R	ecommended use of the o	chen	nical and restriction	ons on use		
R	commended use : Industrial use Thread Compound (Pipe Dope) and Jac Offshore industries Mining, (without offshore industries)					
R	estrictions on use	:	Do not use on ox atmospheres.	ygen lines or in oxygen enriched		

### SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Eye irritation	: Category 2A
GHS Label element Hazard pictograms	
Signal Word	: Warning
Hazard Statements	: H319 Causes serious eye irritation.
Precautionary Statements	: <b>Prevention:</b> P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection.



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		for several mir to do. Continue	- P338 IF IN EYES: Rinse cautiously with water nutes. Remove contact lenses, if present and easy e rinsing. f eye irritation persists: Get medical advice/ atten-
Othe	r hazards		
None	known.		

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous ingredients

Chemical Name	CAS-No.	Concentration (% w/w)
Distillates (petroleum), hydrotreated light naph-	64742-53-6	>= 20 - < 30
thenic		
Graphite	7782-42-5	>= 20 - < 30
Talc	14807-96-6	>= 5 - < 10
Calcium oxide	1305-78-8	>= 1 - < 5
Calcium bis(dinonyInaphthalenesulphonate)	57855-77-3	>= 1 - < 5
Quartz	14808-60-7	>= 0.1 - < 1

### **SECTION 4. FIRST AID MEASURES**

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice 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	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.
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	:	Causes serious eye irritation.



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Pro	tection of first-aiders	:	and use the recor	ers should pay attention to self-protection, nmended personal protective equipment Il for exposure exists.			
Not	es to physician	:	Treat symptomatically and supportively.				
SECTIO	N 5. FIRE-FIGHTING ME	ASL	IRES				
Suit	able extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical				
Uns med	uitable extinguishing dia	:	None known.				
Spe figh	cific hazards during fire ting	:	Exposure to com	pustion products may be a hazard to health.			
Haz	ardous combustion prod-	:	Carbon oxides Fluorine compour Sulfur oxides Metal oxides	nds			
Spe ods	cific extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do			
	cial protective equipment ire-fighters	:		e, wear self-contained breathing apparatus. tective equipment.			

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice and personal protective equip- ment recommendations.
Environmental precautions	:	Discharge into the environment must be avoided. 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 con- tainer for disposal. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable.



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		Sections 13 and 15 of this SDS provide information regardi certain local or national requirements.					
SECTION	N 7. HANDLING AND S	TORAGE					
Technical measures			See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.				
Loca	al/Total ventilation	: Use only wit	: Use only with adequate ventilation.				
Advi	ce on safe handling	Do not swall Do not get ir Handle in ac practice. Keep away f Protect from	rom water. moisture. prevent spills, waste and minimize release to the				
Cond	ditions for safe storage	: Keep in properly labeled containers. Store in accordance with the particular national regulations					
Mate	erials to avoid	: Do not store with the following product types: Strong oxidizing agents					

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhal- able fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Graphite	7782-42-5	TWA (Res- pirable)	2.5 mg/m3	NIOSH REL
		TWA (Res- pirable frac- tion)	2 mg/m3	ACGIH
		TWA (Dust)	15 Million particles per cubic foot	OSHA Z-3
Talc	14807-96-6	TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (Res- pirable)	2 mg/m3	NIOSH REL



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			TWA (Res- pirable frac- tion)	2 mg/m3	ACGIH
Calciu	ım oxide	1305-78-8	TWA	2 mg/m3	ACGIH
			TWA	2 mg/m3	NIOSH REL
			TWA	5 mg/m3	OSHA Z-1
Quart	Z	14808-60-7	TWA (total dust)	30 mg/m3 / %SiO2+2	OSHA Z-3
			TWA (respir- able)	10 mg/m3 / %SiO2+2	OSHA Z-3
			TWA (respir- able)	250 mppcf / %SiO2+5	OSHA Z-3
			TWA (Res- pirable frac- tion)	0.025 mg/m3 (Silica)	ACGIH
			TWA (Res- pirable dust)	0.05 mg/m3 (Silica)	NIOSH REL

### Hazardous components without workplace control parameters

Ingredients	CAS-No.
Calcium	57855-77-3
bis(dinonylnaphthalenesulphon ate)	

### Occupational exposure limits of decomposition products

Ingredients	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Calcium hydroxide	1305-62-0	TWA	5 mg/m3	ACGIH
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respir- able fraction)	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	NIOSH REL

Engineering measures : Processing

: Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Dust formation may be relevant in the processing of this

product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m3 - total dust, 5 mg/m3 - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m3 - respirable particles, 10 mg/m3 - inhalable particles.

#### Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.



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		use NIOSH/N by air purifyir hazardous ch supplied resp release, expo	A respirator regulations (29 CFR 1910.134) and ASHA approved respirators. Protection provided ag respirators against exposure to any hemical is limited. Use a positive pressure air birator if there is any potential for uncontrolled osure levels are unknown, or any other e where air purifying respirators may not provide otection.
	d protection laterial	: Impervious g	loves
R	emarks	on the conce time is not de For special a resistance to gloves with th	es to protect hands against chemicals depending ntration specific to place of work. Breakthrough etermined for the product. Change gloves often! pplications, we recommend clarifying the chemicals of the aforementioned protective ne glove manufacturer. Wash hands before t the end of workday.
Eye	protection	: Wear the follo Safety goggle	owing personal protective equipment: es
Skin	and body protection	resistance da potential. Skin contact	priate protective clothing based on chemical ata and an assessment of the local exposure must be avoided by using impervious protective ves, aprons, boots, etc).
Hyg	iene measures	located close When using o	eye flushing systems and safety showers are to the working place. do not eat, drink or smoke. ninated clothing before re-use.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Viscous semi-solid
Color	: black
Odor	: Petroleum
Odor Threshold	: No data available
рН	: Not applicable (not an aqueous solution)
	: No data available
Initial boiling point and boiling range	: 208 °C Method: ASTM D 2887 Distillates (petroleum), hydrotreated light naphthenic
Flash point	<ul> <li>150 °C</li> <li>Method: ASTM D 92, Cleveland open cup</li> </ul>



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			Distillates (petro	pleum), hydrotreated light naphthenic
Evap	ooration rate	:	< 1	
Flam	mability (solid, gas)	:	No data availab	le
Uppe	er explosion limit	:	No data availab	le
Lowe	er explosion limit	:	No data availab	le
Vapo	or pressure	:	No data availab	le
Relat	tive vapor density	:	No data availab	le
Relat	tive density	:	1.3	
Dens	sity	:	No data availab	le
	bility(ies) ater solubility	:	Not applicable	
	tion coefficient: n- nol/water	:	No data availab	le
Auto	ignition temperature	:	407 °C Method: ASTM	E 659
Deco	omposition temperature	:	No data availab	le
Visco Vis	osity scosity, dynamic	:	No data availab	le
Vi	scosity, kinematic	:	18.66 cSt (40 °C Distillates (petro	C) bleum), hydrotreated light naphthenic
			1.866 mm2/s (4 Distillates (petro	l0 °C) bleum), hydrotreated light naphthenic
Flow	time	:	No data availab	le
Explo	osive properties	:	Not explosive	
Oxidi	izing properties	:	The substance	or mixture is not classified as oxidizing.
Mole	cular weight	:	No data availab	le

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reac- tions	: Can react with strong oxidizing agents. Hazardous decomposition products will be formed upon



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		contact with wa	ater or humid air.
Conc	ditions to avoid	: Exposure to m	oisture.
Incor	mpatible materials	: Oxidizing ager Water	ts
Co	ardous decomposition ontact with water or hu id air		xide
ECTION	I 11. TOXICOLOGICA	L INFORMATION	
Skin Inges	mation on likely rout contact stion contact	tes of exposure	
	<b>e toxicity</b> classified based on ava	ailable information.	
Prod	luct:		
Acute	e oral toxicity	: Acute toxicity e Method: Calcula	stimate: > 5,000 mg/kg ation method
		Acute toxicity e Method: Calcul	stimate: > 5,000 mg/kg ation method
Inare	edients:		
Disti		ydrotreated light naph : LD50 (Rat): > 5 Method: OECD	
Acute	e inhalation toxicity		4 h
Acute	e dermal toxicity	: LD50 (Rabbit): Assessment: TI toxicity	> 2,000 mg/kg ne substance or mixture has no acute dermal
Grap	ohite:		
Acute	e oral toxicity		,000 mg/kg Test Guideline 401 ne substance or mixture has no acute oral tox



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		Assessment: Th tion toxicity	ne substance or mixture has no acute inhala-
Talc: Acute	: e oral toxicity	: LD50 (Rat): > 5 Remarks: Base	,000 mg/kg d on data from similar materials
	ium oxide: e oral toxicity		,000 mg/kg Test Guideline 425 ne substance or mixture has no acute oral tox-
Acute	e dermal toxicity	Assessment: Th toxicity	> 2,500 mg/kg Test Guideline 402 ne substance or mixture has no acute dermal d on data from similar materials
	ium bis(dinonylnaph e oral toxicity	halenesulphonate): : LD50 (Rat): > 5	,000 mg/kg
Acute	e inhalation toxicity	: LC50 (Rat): > 1 Exposure time: Test atmospher	1 h _
Acute	e dermal toxicity	: LD50 (Rabbit):	> 5,000 mg/kg
<b>Quar</b> Acute	<b>tz:</b> e oral toxicity	: LD50 (Rat): > 5	,000 mg/kg
Not c Ingre Disti Spec	corrosion/irritation classified based on ava <u>edients:</u> Ilates (petroleum), hy ies: Rabbit ilt: No skin irritation	ilable information. drotreated light naph	thenic:
Spec Meth	<b>hite:</b> ies: Rabbit od: OECD Test Guide Ilt: No skin irritation	ine 404	
	: ies: Rabbit ilt: No skin irritation		
Spec Meth Resu	<b>ium oxide:</b> ies: Rabbit od: OECD Test Guide ilt: Skin irritation arks: Based on data fro		
Calci	ium bis(dinonylnaph	halenesulphonate):	
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	ecies: Rabbit esult: Skin irritation				
	rious eye damage/eye in auses serious eye irritation				
<b>Di</b> : Sp	gredients: stillates (petroleum), hyd ecies: Rabbit esult: No eye irritation	Irotreated light napht	henic:		
Sp	<b>aphite:</b> ecies: Rabbit esult: No eye irritation				
Sp	<b>lc:</b> ecies: Rabbit esult: No eye irritation				
Sp Re	Ilcium oxide: ecies: Rabbit esult: Irreversible effects or ethod: OECD Test Guidelir				
Sp Re	<b>Calcium bis(dinonyInaphthalenesuIphonate):</b> Species: Rabbit Result: Irritation to eyes, reversing within 21 days Remarks: Based on data from similar materials				
Re	espiratory or skin sensiti	zation			
Sk	in sensitization: Not classi espiratory sensitization: No	fied based on available			
	gredients:				
	<b>stillates (petroleum), hyd</b> st Type: Buehler Test	Irotreated light napht	henic:		
Ro	outes of exposure: Skin co	ntact			
	ecies: Guinea pig ethod: OECD Test Guidelir	ne 406			
Re	esult: negative				
	aphite:	<i></i>			
	st Type: Local lymph node outes of exposure: Skin co				
Sp	ecies: Mouse				
Re	esult: negative				
	<b>lc:</b> outes of exposure: Skin co	otact			
Sp	ecies: Humans				
	esult: negative				
	Ilcium bis(dinonyInaphth st Type: Human repeat ins				
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	es of exposure: Skin c t: negative	ontact	
	cell mutagenicity assified based on ava	ailable information.	
Ingre	dients:		
	lates (petroleum), hy toxicity in vitro	: Test Type: Ba	acterial reverse mutation assay (AMES) D Test Guideline 476
Genot	toxicity in vivo	cytogenetic as Species: Mou Application Re	se oute: Intraperitoneal injection D Test Guideline 474
<b>Grapi</b> Genot	n <b>ite:</b> toxicity in vitro	: Test Type: Ba Result: negati	acterial reverse mutation assay (AMES)
Talc:			
	toxicity in vitro		NA damage and repair, unscheduled DNA s malian cells (in vitro) ve
Geno	toxicity in vivo	Species: Rat	nromosome aberration test in vitro pute: Ingestion ve
Calci	um oxide:		
	toxicity in vitro		acterial reverse mutation assay (AMES) D Test Guideline 471 ve
	u <b>m bis(dinonylnaph</b> toxicity in vitro	: Test Type: Ch Method: OEC Result: negati	nromosome aberration test in vitro D Test Guideline 473
	nogenicity assified based on ava	ailable information	
Produ Carcir ment	<u>act:</u> nogenicity - Assess-	based on DM	tillates have been classified as not carcinog SO extract content < 3% (Regulation (EC) nnex VI, Part 3, Note L).



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Specie Applic Expos	lates (petroleum), hydr es: Mouse cation Route: Skin conta sure time: 78 weeks t: negative	<b>.</b> .	thenic:
Applic Expos	es: Mouse ation Route: inhalation ( sure time: 2 Years t: negative	(dust/mist/fume)	
Specie Applic Expos Resul	um oxide: es: Rat cation Route: Ingestion sure time: 104 weeks t: negative urks: Based on data from	similar materials	
Applic Resul Rema The s	es: Humans cation Route: inhalation ( t: positive Irks: IARC (International	Agency for Researc	h on Cancer) t and therefore does not contribute to a dust
Carcir ment	nogenicity - Assess-	: Positive evidention)	ce from human epidemiological studies (inhal
IARC	:	Group 1: Carcinog	enic to humans
		Quartz	14808-60
OSH	A		is product present at levels greater than or lentified as a carcinogen or potential carcino-
NTP		Known to be huma	an carcinogen
		Quartz	14808-60
Not cl	oductive toxicity assified based on availa dients:	ble information.	
Distill	l <b>ates (petroleum), hydr</b> s on fertility		roduction/Developmental toxicity screening



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		Application F Result: nega	Route: Skin contact tive
Graph Effects	<b>ite:</b> s on fertility	reproduction Species: Rat Application F	Route: Ingestion CD Test Guideline 422
Effects	s on fetal development	reproduction Species: Rat Application F	Route: Ingestion CD Test Guideline 422
Talc:			
Effects	s on fetal development	Species: Rat	Route: Ingestion
Calciu	ım oxide:		
Effects	s on fetal development	Species: Mo Application F	Route: Ingestion CD Test Guideline 414
Calciu	ım bis(dinonylnaphtha	alenesulphonate	):
	s on fertility	: Test Type: C reproduction Species: Rat Application F Method: OEC Result: nega	combined repeated dose toxicity study with the /developmental toxicity screening test Route: Ingestion CD Test Guideline 422
Effects on fetal development		reproduction Species: Rat Application F Method: OE0 Result: nega	Route: Ingestion CD Test Guideline 422

### STOT-single exposure

Not classified based on available information.

### Ingredients:

### Calcium oxide:

Assessment: May cause respiratory irritation.



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### STOT-repeated exposure

Not classified based on available information.

#### Ingredients:

#### Quartz:

Routes of exposure: inhalation (dust/mist/fume) Target Organs: Lungs Assessment: Shown to produce significant health effects in animals at concentrations of 0.02 mg/l/6h/d or less.

#### Repeated dose toxicity

### Ingredients:

### 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

### Graphite:

Species: Rat NOAEL: 12 mg/m3 Application Route: inhalation (dust/mist/fume) Exposure time: 28 Days Method: OECD Test Guideline 412

#### Calcium bis(dinonylnaphthalenesulphonate):

Species: Rat NOAEL: 95 mg/kg LOAEL: 298 mg/kg Application Route: Ingestion Exposure time: 28 Days Method: OECD Test Guideline 422 Remarks: Based on data from similar materials

#### Quartz:

Species: Humans LOAEL: 0.053 mg/m3 Application Route: inhalation (dust/mist/fume) Remarks: The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.

### Aspiration toxicity

Not classified based on available information.

### SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

### Ingredients: Distillates (petroleum), hydrotreated light naphthenic:

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l



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		Exposure time: 9 Test substance: \	6 h Nater Accommodated Fraction
	ity to daphnia and other ic invertebrates	Exposure time: 4	nagna (Water flea)): > 10,000 mg/l 8 h Water Accommodated Fraction
Toxici	ity to algae	100 mg/l Exposure time: 7	kirchneriella subcapitata (green algae)): >= 2 h Water Accommodated Fraction
	ity to daphnia and other ic invertebrates (Chron- icity)	NOEC (Daphnia Exposure time: 2	magna (Water flea)): 10 mg/l 1 d
Toxici	ity to bacteria	NOEC (Photobac Exposure time: 4	terium phosphoreum): > 2.17 mg/l d
<b>Grapi</b> Toxici	<b>hite:</b> ity to fish	Exposure time: 9	o (zebra fish)): > 100 mg/l 6 h est Guideline 203
	ity to daphnia and other ic invertebrates	Exposure time: 4	nagna (Water flea)): > 100 mg/l 8 h est Guideline 202
Toxici	ity to algae	mg/l Exposure time: 7	chneriella subcapitata (green algae)): > 100 2 h est Guideline 201
Toxici	ity to bacteria	EC50: > 1,012.5 Exposure time: 3 Method: OECD T	
<b>Talc:</b> Toxici	ity to fish	LC50 (Brachydar Exposure time: 2	nio rerio (zebrafish)): > 100,000 mg/l 4 h
	<b>um oxide:</b> ity to fish	mg/l Exposure time: 9	eus aculeatus (threespine stickleback)): 457 6 h on data from similar materials
	ity to daphnia and other ic invertebrates	LC50: 158 mg/l Exposure time: 9 Remarks: Based	6 h on data from similar materials
Toxici	ity to algae	mg/l Exposure time: 7	chneriella subcapitata (green algae)): 184.57 2 h est Guideline 201



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		Remarks: Bas	ed on data from similar materials		
		mg/I Exposure time Method: OECI	okirchneriella subcapitata (green algae)): 48 :: 72 h D Test Guideline 201 ed on data from similar materials		
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		: NOEC: 32 mg. Exposure time Remarks: Bas			
Toxicity to bacteria		Exposure time Method: OEC	EC50: 300.4 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: Based on data from similar materials		
	<b>um bis(dinonyInaphtha</b> ity to fish	: LC50 (Cyprinu Exposure time Test substanc Method: OECI Remarks: No t	is carpio (Carp)): > 0.28 mg/l :: 96 h e: Water Accommodated Fraction D Test Guideline 203 :oxicity at the limit of solubility. a from similar materials		
	ity to daphnia and other tic invertebrates	Exposure time Test substance Method: OECI	a magna (Water flea)): > 0.18 mg/l :: 48 h e: Water Accommodated Fraction D Test Guideline 202 ed on data from similar materials		
Toxicity to bacteria		Exposure time Method: OEC	: EC50: 560 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: Based on data from similar materials		
	tz: oxicology Assessment e aquatic toxicity	: No toxicity at t	he limit of solubility.		
Chror	nic aquatic toxicity	: No toxicity at t	he limit of solubility.		
Persi	stence and degradabili	ty			
Ingre	dients:				
	l <b>lates (petroleum), hydr</b> egradability	: Result: Not rea Biodegradation Exposure time	adily biodegradable. n: 2 - 8 %		
	<b>um bis(dinonylnaphtha</b> egradability				
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	Method: OECD Test Guideline 301B Remarks: Based on data from similar materials		
	<b>ccumulative potential</b> ata available		
	<b>lity in soil</b> ata available		
	<b>r adverse effects</b> ata available		
ECTION	13. DISPOSAL CONS	DERATIONS	
-	osal methods		
Wast	e from residues	: Dispose of in a	accordance with local regulations.
Conta	aminated packaging	dling site for re	ers should be taken to an approved waste han ecycling or disposal. e specified: Dispose of as unused product.
ECTION	14. TRANSPORT INF	ORMATION	
Inter	national Regulation		
UNR <sup>-</sup> Not re	<b>TDG</b> egulated as a dangerou	us good	
	-DGR egulated as a dangerou	us good	
	<b>3-Code</b> egulated as a dangerou	us good	
	sport in bulk accordir pplicable for product as	-	RPOL 73/78 and the IBC Code
Dom	estic regulation		
<b>49 CI</b> Not re	F <b>R</b> egulated as a dangerou	us good	
ECTION	15. REGULATORY IN	IFORMATION	
EPCF	RA - Emergency Plan	ning and Community	y Right-to-Know
	CLA Reportable Quan material does not conta	-	vith a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

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



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SAR	A 311/312 Hazards	: Acute Health Haza	ard			
SARA 302			: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.			
SAR	A 313	known CAS numb	: This material does not contain any chemical components wit known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.			
US S	tate Regulations					
Penn	sylvania Right To Kı	now				
	Distillates	(petroleum), hydrotreated	light 64742-53-6	20 - 30 %		
	Graphite		7782-42-5	20 - 30 %		
		acid, mixed esters with he Ileric acid, octanoic acid a	•	20 - 30 %		
		uoroethylene	9002-84-0	10 - 20 %		
	Talc	·	14807-96-6	5 - 10 %		
	Calcium(2	+) 12-hydroxyoctadecano	ate 3159-62-4	1 - 5 %		
Calcium o		xide	1305-78-8	1 - 5 %		
	Distillates heavy par	(petroleum), solvent-dewa affinic	axed 64742-65-0	0.1 - 1 %		
		(petroleum), hydrotreated	heavy 64742-54-7	0.1 - 1 %		
	Distillates paraffinic	(petroleum), solvent-refine	ed light 64741-89-5	0.1 - 1 %		
New	Jersey Right To Kno	w				
		(petroleum), hydrotreated	light 64742-53-6	20 - 30 %		
Graphite		-	7782-42-5	20 - 30 %		
		acid, mixed esters with he Ileric acid, octanoic acid a	•	20 - 30 %		
		uoroethylene	9002-84-0	10 - 20 %		
	Talc		14807-96-6	5 - 10 %		
	Calcium o	xide	1305-78-8	1 - 5 %		
	Quartz		14808-60-7	0.1 - 1 %		
Califo	ornia Prop. 65	WARNING! This p State of California	product contains a chemica to cause cancer.	l known in the		
	Quartz		14808-60-7			
The i	ngredients of this pr	oduct are reported in th	e following inventories:			
DSL		: All components of	this product are on the Ca	nadian DSL		
TSCA	A		ances in this material are in this material are in ting on the TSCA Inventory			

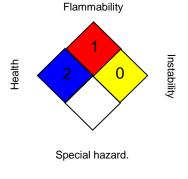


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### **SECTION 16. OTHER INFORMATION**

### **Further information**





HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

### 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- its for Air Contaminants	-1 Lim-
OSHA Z-3	USA. Occupational Exposure Limits (OSHA) - Table Z- eral Dusts	-3 Min-
ACGIH / TWA	8-hour, time-weighted average	
NIOSH REL / TWA	Time-weighted average concentration for up to a 10-ho workday during a 40-hour workweek	our
NIOSH REL / ST	STEL - 15-minute TWA exposure that should not be exat any time during a workday	ceeded
OSHA Z-1 / TWA	8-hour time weighted average	
OSHA Z-3 / TWA	8-hour time weighted average	

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials: bw - Body weight: DIN - Standard of the German Institute for Standardisation: ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule: ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized 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; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United



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Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

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/

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 specified in the text. Material users should review the information and recommendations in the 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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