

# Safety Data Sheet

## LGHB 2

### SECTION 1: Identification

#### 1.1. Product identifier used on the label

Trade name: LGHB 2

#### 1.2. Recommended use of the chemical and restrictions on use

Recommended uses: Lubricant.

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Company: SKF USA Inc.  
Address: 890 Forty Foot Road  
Zip code: 19446  
City: Lansdale, PA  
Country: UNITED STATES OF AMERICA  
E-mail: Mapro.Repair.USA@skf.com  
Phone: +1 888-753-3477  
Homepage: www.skf.com

##### Manufacturer

Company: SKF MPT  
Address: Meidoornkade 14  
Zip code: 3992 AE  
City: AE Houten  
Country: NETHERLANDS (KINGDOM OF THE)  
E-mail: support.mpt@skf.com  
Phone: +31 30 6307200  
Homepage: www.skf.com

#### 1.4. Emergency phone number

+31 30 6307200

For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
1 703-527-3887 (collect calls accepted)

Location:  
CHEMTREC  
2900 Fairview Park Drive  
Falls Church VA 22042-4513  
USA

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the chemical in accordance with paragraph (d) of §1910.1200

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**HazCom classification:** Eye irritation, Category 2A;H319  
Reproductive toxicity, Category 2;H361f

**Most serious harmful effects:** Causes serious eye irritation. Suspected of damaging fertility. Individuals with a known allergy to Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts may exhibit an allergic response to the product.

### 2.2. Label elements

#### Pictograms



**Signal word:** Warning

#### Contains

**Substance:** Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts; Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene;

#### Hazard Statements

Causes serious eye irritation.  
Suspected of damaging fertility.

#### Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection.

### 2.3. Other hazards which do not result in classification

None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6 271-529-4 01-2119492627-25	≤ 10 %	
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0 274-263-7 01-2119492616-28	≤ 5 %	
Sulfonic acids, petroleum, calcium salts	61789-86-4 263-093-9 01-2119488992-18	≤ 5 %	
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts	1335202-81-7 932-231-6 01-2119560592-37	< 3 %	
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1 270-128-1 01-2119491299-23	< 3 %	
C14-16-18 Alkyl Phenol	1190625-94-5 931-468-2 01-2119498288-19	≤ 0.3 %	

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**Ingredient comments:** The mineral oils in the product contain <3% DMSO extract(IP 346).  
The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

**Inhalation:** Seek fresh air, wash out mouth with water and blow nose thoroughly. Seek medical advice in case of persistent discomfort.

**Ingestion:** Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

**Skin contact:** Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

**Eye contact:** Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

**General:** Bring the safety data sheet or label when seeking medical advice.

#### 4.2. Most important symptoms/effects, acute and delayed.

Irritating to eyes. Causes a burning sensation and tearing. Suspected of damaging fertility. The product contains small amounts of Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, C14-16-18 Alkyl Phenol. Individuals with a known allergy may exhibit an allergic response to the product.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary.

Treat symptoms. No special immediate treatment required.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media.

**Suitable extinguishing media:** Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

**Unsuitable extinguishing media:** Do not use a jet of water, as it may spread the fire.

#### 5.2. Specific hazards arising from the chemical

Not flammable, but combustible. The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/ Nitrous gases/ Sulphur oxides.

#### 5.3. Special protective equipment and precautions for fire-fighters.

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Move containers from danger area if it can be done without risk. Avoid inhalation of vapor and smoke gases - seek fresh air.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

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**For non-emergency personnel:** Stay upwind/keep distance from source. Wear gloves. Wear safety goggles. Provide good ventilation.

**For emergency responders:** In addition to the above: Protective suit is recommended.

### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

### 6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers. Wipe up minor spills with a damp cloth.

### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

### 7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, drugs, etc. Keep in tightly closed original packaging. Store in a dry area. Avoid direct sunlight.

### 7.3. Specific end use(s)

None.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit

Substance name	Time period	ppm	mg/m <sup>3</sup>	fiber/cm <sup>3</sup>	Remarks	Notations
Mineral oil, excluding metal working fluids	ACGIH TWA		5		Pure, highly and severely refined. OEL value for: Mineral oil, excluding metal working fluids	A4, I
Mineral oil, excluding metal working fluids	OSHA		5		OEL value for: Mineral oil, excluding metal working fluids	

A4 = Not Classifiable as a Human Carcinogen.

I = Inhalable fraktion.

**Measuring methods:** Compliance with occupational exposure limits may be checked by occupational hygiene measurements according to NIOSH/OSHA.

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**Legal basis:** ACGIH Threshold Limit Values (TLV's) and Biological Exposure Indices (BEI's), 2023.  
OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006.

### 8.2. Exposure controls

**Appropriate engineering controls:** Use the product under well-ventilated conditions, preferably outdoors. Wear the personal protective equipment specified below.

**Personal protective equipment, eye/face protection:** Wear safety goggles.

**Personal protective equipment, hand protection:** In the event of direct skin contact, wear protective gloves: Type of material and thickness: Nitrile rubber. 0,38 mm. Penetration time: >8 hours.  
The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

**Personal protective equipment, respiratory protection:** Use process ventilation. If this is not possible, use respiratory equipment. Filter type: A. P.

**Environmental exposure controls:** Ensure compliance with local regulations for emissions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit	
physical state	Solid substance	
Color	Brown	
Odour	Characteristic	
Solubility	Insoluble in the following: Water.	

  

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	> 300 °C	>572°F (EN ISO 3016)
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Upper/lower flammability limits	No data	
Explosion limits	No data	
Flash Point	No data	
Auto-ignition temperature	No data	
Decomposition temperature	> 300 °C	>572°F
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	> 3.5	
Vapour pressure	No data	
Density	0.9 g/cm <sup>3</sup>	(68 °F) (ASTM D 4052)
Relative density	0.9	(ASTM D 4052)
Vapor density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

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### 9.2. Other information

Parameter	Value/unit	Remarks
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Other Information:                      None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No known data.

#### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Avoid direct sunlight.

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/ Nitrous gases/ Sulphur oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw		OECD 401	

##### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw		OECD 401	

##### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 16000 mg/kg bw			

##### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		4445 mg/kg bw			

##### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw			

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#### C14-16-18 Alkyl Phenol, cas-no 1190625-94-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw			

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - dermal

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 4000 mg/kg bw		OECD 402	

##### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000 mg/kg bw		OECD 402	

##### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 4000 mg/kg bw			

##### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 402	

#### C14-16-18 Alkyl Phenol, cas-no 1190625-94-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - inhalation

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 1.9 mg/l		EPA OPP 81-3	

##### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 1.9 mg/l		EPA OPP 81-3	

##### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 1.9 mg/l		EPA OPP 81-3	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Skin corrosion/irritation

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit		4 h	0.3		EPA OPPTS 870.2500	

##### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit		4 h	2.7		OECD 404	

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May irritate the skin - may cause reddening. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Serious eye damage/eye irritation

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit			0		EPA	

##### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit			1		OECD 405	

Irritating to eyes. Causes a burning sensation and tearing.

#### Respiratory sensitization or skin sensitization

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Human				Skin sensitization		

##### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse				Skin sensitization		

##### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Skin sensitization		

##### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitizing		

According to tests, the product need not be classified. The product contains small amounts of Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, C14-16-18 Alkyl Phenol. Individuals with a known allergy may exhibit an allergic response to the product.

#### Germ cell mutagenicity

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mammalian cells.	In vivo.			No mutagenic effects observed.	OECD 474	
Bacteria	In vitro.			No mutagenic effects observed.	OECD 471	
Mammalian cells.	In vitro.			No mutagenic effects observed.	OECD 476	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Carcinogenic properties:

The product does not have to be classified. Test data are not available. This product does not contain any carcinogens or potential carcinogens at reportable quantities as listed by OSHA, IARC or NTP.

#### Reproductive toxicity

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	Oral.			No indications.		

Suspected of damaging fertility.



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**Single STOT exposure:** Inhalation of dust may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.

**Repeated STOT exposure:** The product does not have to be classified. Test data are not available.

**Aspiration hazard:** The product does not have to be classified. Test data are not available.

### 11.2. Information on other hazards

**Endocrine disrupting properties:** None known.

**Other toxicological effects:** None known.

## SECTION 12: Ecological information

### 12.1. Ecotoxicity

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchneriella subcapitata		72hEC10	> 1000 mg/l		OECD 201	
Crustacea	Daphnia magna		48hEC50	> 1000 mg/l		OECD 202	
Fish	Cyprinodon variegatus		96hLC50	> 1000 mg/l		OECD 203	
Algae	Pseudokirchneriella subcapitata		72hEC50	> 1000 mg/l		OECD 201	

#### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchneriella subcapitata		72hEC10	> 1000 mg/l		OECD 201	
Algae	Pseudokirchneriella subcapitata		72hEC50	> 1000 mg/l		OECD 201	
Crustacea	Daphnia magna		48hEC50	> 1000 mg/l		OECD 202	
Fish	Cyprinodon variegatus		96hLC50	> 1000 mg/l		OECD 203	

#### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchneriella subcapitata		72hEC10	> 1000 mg/l		OECD 201	
Algae	Pseudokirchneriella subcapitata		72hEC50	> 1000 mg/l		OECD 201	
Crustacea	Daphnia magna		48hEC50	> 1000 mg/l		OECD 202	
Fish	Cyprinodon variegatus		96hLC50	> 1000 mg/l		OECD 203	

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#### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchneriella subcapitata		96hEC50	29 mg/l		STDMETH, ASTM, USEPA	
Algae	Pseudokirchneriella subcapitata		96hNOEC	0.5 mg/l		STDMETH, ASTM, USEPA	
Crustacea	Daphnia magna		48hEC50	2.9 mg/l		OECD 202	
Fish	Lepomis macrochirus		96hLC50	1.67 mg/l		STDMETH, ASTM, USEPA	
Crustacea	Daphnia magna		48hNOEC	0.379 mg/l		OECD 211	

#### C14-16-18 Alkyl Phenol, cas-no 1190625-94-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna		48hEC50	> 100 mg/l		OECD 202	

The product contains small quantities of environmentally hazardous substances. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

### 12.2. Persistence and degradability

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		0 %	Not readily biodegradable.	OECD 301 D	

#### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		0 %	Not readily biodegradable.	OECD 301 D	

#### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		0 %	Not readily biodegradable.	OECD 301 D	

#### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		> 90 %	Readily biodegradable.	OECD 301 B	

#### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

The product contains at least one readily biodegradable substance.

### 12.3. Bioaccumulative potential

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Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	> 3.5			

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source

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			Log Kow	22		
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### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	2.9			

### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	5.1			
			BCF	1730			

No bioaccumulation expected.

#### 12.4. Mobility in soil

Not expected to be mobile in soil. Test data are not available.

#### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

#### 12.6. Endocrine disrupting properties

None known.

#### 12.7. Other adverse effects

Oil products may cause soil and water pollution.

German water pollution classification (WGK): 2

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

## SECTION 14: Transport information

**14.1. UN number:** Not applicable.

**14.2. UN proper shipping name:** Not applicable.

**14.3. Transport hazard class(es):** Not applicable.

**14.4. Packing group:** Not applicable.

**14.5. Environmental hazards:** Not applicable.

**14.6. Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.**

None.

### 14.7. Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not applicable.

**Other Information:** The product is not covered by the rules for transport of dangerous goods.

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations specific for the product in question

##### Proposition 65

**Chemicals known to cause cancer:** None of the substances in the formulation is listed in the latest version publicly available.

**Chemicals known to cause reproductive toxicity:** None of the substances in the formulation is listed in the latest version publicly available.

**TSCA:** All substances in the formulation are listed in the latest version publicly available.

##### NFPA ratings

**Health hazard:** 2

**Flammability:** 1

**Instability:** 0

#### 15.2. Chemical Safety Assessment

Substance name
Sulfonic acids, petroleum, calcium salts
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
C14-16-18 Alkyl Phenol
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts

### SECTION 16: Other information

#### Version history and indication of changes

Version	Revision date	Responsible	Changes
3.0.0	11/15/2023	Bureau Veritas HSE/ SRU	2,3,4,5,6,7,8,9,11,12,15,16

**Abbreviations:**  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: Very Persistent and Very Bioaccumulative  
 STOT: Specific Target Organ Toxicity

**Other Information:** This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with CFR29, §1910.1200.

**Training advice:** A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Revision date:** 11/15/2023

**Replaces date:** 2/21/2022

**Classification method:** Calculation based on the hazards of the known components.  
 Test data.

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Country:

US