

## SAFETY DATA SHEET

in accordance with REACH (1907/2006/EC, as amended by 2020/878/EU) and Safe Work Australia

**Revision date:** 31 July 2023      **Date of previous issue:** 22 April 2022      **SDS No.** 420-10

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

630 SXCF

**Unique Formula Identifier (UFI):** Not available

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** Synthetic base oil lubricating grease. Superior multi-purpose grease for heavy loads, high heat and corrosive environments.

**Uses advised against:** No information available

**Reason why uses advised against:** Not applicable

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

**Company:**

A.W. CHESTERTON COMPANY  
 860 Salem Street  
 Groveland, MA 01834-1507, USA  
 Tel. +1 978-469-6446 Fax: +1 978-469-6785  
 (Mon. - Fri. 8:30 - 5:00 PM EST)  
 SDS requests: [www.chesterton.com](http://www.chesterton.com)  
 E-mail (SDS questions): [ProductSDSs@chesterton.com](mailto:ProductSDSs@chesterton.com)  
 E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

**Supplier:**

EU: Chesterton International GmbH, Am Lenzenfleck 23,  
 D85737 Ismaning, Germany – Tel. +49-89-996-5460

#### 1.4. Emergency telephone number

24 hours per day, 7 days per week  
 Call Infotrac: 1-800-535-5053  
 Outside N. America: +1 352-323-3500 (collect)  
 NSW Poisons Information Centre (Australia): 13 11 26

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / Safe Work Australia

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, 29 CFR 1910.1200, WHMIS 2015, Safe Work Australia and GHS.

##### 2.1.2. Additional information

None

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No 1272/2008 [CLP] / Safe Work Australia

**Hazard pictograms:** None

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None

<b>Supplemental information:</b>	EUH208	Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts and Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.
	EUH210	Safety data sheet available on request.

**2.3. Other hazards**

None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification	SCL, M-factor, ATE
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	1 - 5	68584-23-6 271-529-4	NA	Skin Sens. 1B, H317	ATE (oral): > 5000 mg/kg ATE (dermal): > 5000 mg/kg ATE (inhalation, mist): > 1.9 mg/l
Calcium dodecylbenzenesulphonate	1 - < 3	26264-06-2 247-557-8	NA	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 4, H413	ATE (oral): 1300 mg/kg ATE (dermal): > 5000 mg/kg
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	1 - 2	68411-46-1 270-128-1	NA	Repr. 2, H361f Aquatic Chronic 3, H412	ATE (oral): > 2000 mg/kg ATE (dermal): > 2000 mg/kg
Sulfonic acids, petroleum, calcium salts	1 - 2	61789-86-4 263-093-9	NA	Skin Sens. 1B, H317	ATE (oral): > 5000 mg/kg ATE (dermal): > 5000 mg/kg ATE (inhalation, mist): > 1.9 mg/l
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	0.1 - <1	70024-69-0 274-263-7	NA	Skin Sens. 1B, H317	ATE (oral): > 5000 mg/kg ATE (dermal): > 5000 mg/kg ATE (inhalation, mist): > 1.9 mg/l
Other ingredients:					
Calcium carbonate	10 - 20	471-34-1 207-439-9	NA	Not classified**	ATE (oral): 6450 mg/kg
Baseoil – unspecified*	10 - <20	64742-70-7/ 265-174-4 64742-65-0/ 265-169-7	NA	Not classified**	ATE (oral): > 5000 mg/kg ATE (dermal): > 2000 mg/kg ATE (inhalation, mist): > 5.53 mg/l

For full text of H-statements: see SECTION 16. \*Contains less than 3 % DMSO extract as measured by IP 346.

\*\*Substance with a workplace exposure limit.

<sup>1</sup> Classified according to: 1272/2008/EC, REACH, Safe Work Australia, GHS**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****Inhalation:** Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.**Skin contact:** Wash skin with soap and water. Contact physician if irritation persists.**Eye contact:** Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. Contact physician if irritation persists.**Ingestion:** Do not induce vomiting. Contact physician.**Protection of first-aiders:** Avoid contact with the product while providing aid to the victim. See section 8.2.2 for recommendations on personal protective equipment.**4.2. Most important symptoms and effects, both acute and delayed**

May cause mild eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

High velocity injection under the skin may leave a bloodless puncture wound subject to infection, disfigurement, lack of blood and may require amputation. Immediate treatment by a surgical specialist is recommended.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

**Suitable extinguishing media:** Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

**Unsuitable extinguishing media:** High volume water jet

**5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products:** Carbon Monoxide, Carbon Dioxide, oxides of Nitrogen and Sulfur and other toxic fumes.

**Other hazards:** Do not allow runoff from firefighting to enter drains or water courses.

**5.3. Advice for firefighters**

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

**Australian HAZCHEM Emergency Action Code:** 3 Z

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Utilize exposure controls and personal protection as specified in Section 8.

**6.2. Environmental Precautions**

Keep out of sewers, streams and waterways.

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

Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Utilize exposure controls and personal protection as specified in Section 8. Wash before eating, drinking or smoking. Injection into the body without immediate medical treatment may cause loss of affected part of the body.

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

Store in a cool, dry area. Keep container closed when not in use.

**7.3. Specific end use(s)**

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limit values**

Ingredients	ACGIH TLV <sup>1</sup>		UK WEL <sup>2</sup>		AUSTRALIA ES <sup>3</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	N/A	N/A	N/A	N/A	N/A	N/A
Calcium dodecylbenzenesulphonate	N/A	N/A	N/A	N/A	N/A	N/A
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	N/A	N/A	N/A	N/A	N/A	N/A
Sulfonic acids, petroleum, calcium salts	N/A	N/A	N/A	N/A	N/A	N/A
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	N/A	N/A	N/A	N/A	N/A	N/A
Calcium carbonate	(inhal.) (resp.)	10 * 3	(inhal.) (resp.)	10 4	(inhal.)	10
Baseoil – unspecified	N/A	5	N/A	N/A	N/A	5

\* Particles Not Otherwise Specified (PNOS)

<sup>1</sup> American Conference of Governmental Industrial Hygienists threshold limit values

<sup>2</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>3</sup> Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:

#### Workers

Substance	Route of exposure	Potential health effects	DNEL
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil – unspecified	Inhalation	Chronic effects, local	5.6 mg/m <sup>3</sup>
		Chronic effects, systemic	2.7 mg/m <sup>3</sup>
	Dermal	Chronic effects, systemic	1 mg/kg bw/day
Calcium dodecylbenzenesulphonate	Inhalation	Acute effects, local	52mg/m <sup>3</sup>
		Acute effects, systemic	52 mg/m <sup>3</sup>
		Chronic effects, local	52 mg/m <sup>3</sup>
		Chronic effects, systemic	52 mg/m <sup>3</sup>
	Dermal	Acute effects, local	1.57 mg/cm <sup>2</sup>
		Acute effects, systemic	80 mg/kg bw/day
		Chronic effects, local	1.57 mg/cm <sup>2</sup>
		Chronic effects, systemic	57.2 mg/kg bw/day
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Inhalation	Chronic effects, systemic	4.37 mg/m <sup>3</sup>
	Dermal	Chronic effects, systemic	0.62 mg/kg
Sulfonic acids, petroleum, calcium salts	Inhalation	Chronic effects, systemic	11.75 mg/m <sup>3</sup>
	Dermal	Chronic effects, local	1.03 mg/cm <sup>2</sup>
		Chronic effects, systemic	3.33 mg/kg bw/day

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:**

Substance	Environmental protection target	PNEC
Calcium carbonate	Microorganisms in sewage treatment	100 mg/l
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil – unspecified	Food chain	9.33 mg/kg food
Calcium dodecylbenzenesulphonate	Fresh water	0.28 mg/l
	Freshwater sediments	27.5 mg/kg
	Marine water	0.458 mg/l
	Marine sediments	2.75 mg/kg
	Food chain	20 mg/kg food
	Microorganisms in sewage treatment	50 mg/l
	Soil (agricultural)	25 mg/kg dry wt.
	Air	10 mg/m <sup>3</sup>
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Fresh water	0.051 mg/l
	Freshwater sediments	9320 mg/kg
	Marine water	0.0051 mg/l
	Marine sediments	932 mg/kg
	Soil (agricultural)	1860 mg/kg
	Microorganisms in sewage treatment	1 mg/l
Sulfonic acids, petroleum, calcium salts	Fresh water	1 mg/l
	Freshwater sediments	226,000,000 mg/kg
	Marine water	1 mg/l
	Marine sediments	226,000,000 mg/kg
	Soil (agricultural)	271,000,000 mg/kg
	Microorganisms in sewage treatment	1000 mg/l

**8.2. Exposure controls****8.2.1. Engineering measures**

No special requirements. If exposure limits are exceeded, provide adequate ventilation.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. If exposure limits are exceeded, use an approved organic vapor respirator for mists.

**Protective gloves:** Chemical resistant gloves (e.g., neoprene)

**Eye and face protection:** Safety goggles or glasses.

**Other:** Long sleeves, long pants and good personal hygiene to minimize skin contact.

**8.2.3. Environmental exposure controls**

Refer to sections 6 and 12.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	semi-solid	<b>pH</b>	not applicable
<b>Colour</b>	cream	<b>Kinematic viscosity</b>	46 cSt @ 40°C (base oil)
<b>Odour</b>	mild	<b>Solubility in water</b>	insoluble
<b>Odour threshold</b>	not determined	<b>Partition coefficient n-octanol/water (log value)</b>	not applicable
<b>Boiling point or range</b>	not applicable	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point/freezing point</b>	> 204°C (> 400°F)	<b>Density and/or relative density</b>	1.0 kg/l
<b>% Volatile (by volume)</b>	negligible	<b>Vapour density (air=1)</b>	> 1
<b>Flammability</b>	no data available	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Lower/upper flammability or explosion limits</b>	not determined	<b>% Aromatics by weight</b>	0
<b>Flash point</b>	> 180°C (> 356°F)	<b>Particle characteristics</b>	not applicable
<b>Method</b>	Open Cup	<b>Explosive properties</b>	not determined
<b>Autoignition temperature</b>	not determined	<b>Oxidising properties</b>	not determined
<b>Decomposition temperature</b>	no data available		

**9.2. Other information**

None

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Refer to sections 10.3 and 10.5.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under conditions of normal use.

**10.4. Conditions to avoid**

Open flames and red hot surfaces.

**10.5. Incompatible materials**

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Oxides of Carbon, Sulfur and other toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Primary route of exposure under normal use:** Skin and eye contact.

**Acute toxicity -**

**Oral:** ATE-mix > 5000 mg/kg

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rat, (OECD 401)	> 5000 mg/kg
Calcium dodecylbenzenesulphonate	LD50, rat	1300 mg/kg
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	LD50, rat, (OECD 401)	> 2000 mg/kg
Sulfonic acids, petroleum, calcium salts	LD50, rat	> 5000 mg/kg
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	LD50, rat, (OECD 401)	> 5000 mg/kg
Baseoil	LD50, rat, (OECD 401)	> 5000 mg/kg (similar material)

**Dermal:**

ATE-mix &gt; 5000 mg/kg

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rabbit	> 5000 mg/kg
Calcium dodecylbenzenesulphonate	LD50, rat	> 5000 mg/kg (read-across)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	LD50, rat	> 2000 mg/kg
Sulfonic acids, petroleum, calcium salts	LD50, rat (OECD 402)	> 5000 mg/kg
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	LD50, rat (OECD 402)	> 5000 mg/kg
Baseoil	LD50, rat, (OECD 402)	> 2000 mg/kg (similar material)

**Inhalation:**

Based on available data, the classification criteria are not met.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LC50, rat, mist, 4 h (OPP 81-3)	> 1.9 mg/l
Sulfonic acids, petroleum, calcium salts	LC50, rat, mist, 4 h (OPP 81-3)	> 1.9 mg/l
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	LC50, rat, mist, 4 h (OPP 81-3)	> 1.9 mg/l
Baseoil	LC50, rat, mist, 4 h (OECD 403)	> 5.53 mg/l (similar material)

**Skin corrosion/irritation:**

Not classified, based on data from similar materials.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Skin irritation, rabbit (OECD 404)	Not irritating
Calcium dodecylbenzenesulphonate	Skin irritation, rabbit (OECD 404)	Irritating
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Skin irritation, rabbit (OECD 404)	Not irritating
Sulfonic acids, petroleum, calcium salts	Skin irritation, rabbit (OECD 404)	Not irritating
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	Skin irritation, rabbit	Not irritating

**Serious eye damage/irritation:**

Not classified, based on data from similar materials. May cause mild eye irritation.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Eye irritation, rabbit (OECD 405)	Not irritating
Calcium dodecylbenzenesulphonate	Eye irritation, rabbit (OECD 405)	Severe irritation
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Eye irritation, rabbit (OECD 405)	Not irritating
Sulfonic acids, petroleum, calcium salts	Eye irritation, rabbit	Not irritating
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	Eye irritation, rabbit	Not irritating

**Respiratory or skin sensitisation:**

Does not cause skin sensitisation, based on data from similar materials.

Substance	Test	Result
Baseoil	Skin sensitization, guinea pig (OECD 406)	Not sensitizing (similar material)
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Skin sensitization, guinea pig	Sensitizing weak
Calcium dodecylbenzenesulphonate	Skin sensitization, guinea pig (OECD 406)	Not sensitizing
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Skin sensitization, guinea pig (OECD 406)	Not sensitizing
Sulfonic acids, petroleum, calcium salts	Skin sensitization, guinea pig	Sensitizing weak
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	Skin sensitization, mouse (OECD 429)	Sensitizing weak

**Germ cell mutagenicity:**

Not classified, based on available data. Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene Ames test: negative.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Ames test (OECD 471)	negative (similar material)
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	In vitro test, OECD 476	negative (similar material)
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Micronucleus test, mouse, oral	negative
Calcium dodecylbenzenesulphonate	Ames test (QSAR)	negative
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Ames test	negative
Sulfonic acids, petroleum, calcium salts	Ames test (OECD 471)	negative (similar material)
Sulfonic acids, petroleum, calcium salts	In vitro test, OECD 476	negative (similar material)
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	Ames test (OECD 471)	negative
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	In vitro test, OECD 476	negative
Baseoil	bacteria, OECD 471	negative

**Carcinogenicity:**

This product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or the European Chemicals Agency (ECHA).

**Reproductive toxicity:**

Not classified, based on available data. Calcium carbonate: in animal studies, did not interfere with reproduction.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	415, rat, male/female, oral, 28 days	NOAEL >= 500 mg/kg (similar material)
Calcium dodecylbenzenesulphonate	rat, male/female, oral, 20 days	maternal NOAEL: 300 mg/kg developmental NOAEL: 300 mg/kg
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	rat, male/female, oral, 1 generation, OECD 443	Effects on fertility

**STOT – single exposure:**

Not classified, based on available data. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: based on available data, the classification criteria are not met.



**STOT – repeated exposure:** Not classified, based on available data. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: based on available data, the classification criteria are not met.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	28-day oral subchronic study (OECD 407) rat, male/female	NOAEL: 500 mg/kg (similar material)
Calcium dodecylbenzenesulphonate	180-day oral subchronic study, rat, male/female	LOAEL: 115 mg/kg
Calcium dodecylbenzenesulphonate	rat, male/female, 30 days	LOAEL: 250 mg/kg

**Aspiration hazard:** Based on available data, the classification criteria are not met.

#### 11.2. Information on other hazards

None known

### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

#### 12.1. Toxicity

Calcium dodecylbenzenesulphonate: 96 h LC50 (fish) = 22 mg/l (OECD 203, read-across). Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: 96 h LC50 (fish) > 71 mg/l (OECD 203). Sulfonic acids, petroleum, calcium salts: 48 h EC50 (for daphnia) = > 100 mg/l (OECD 203).

#### 12.2. Persistence and degradability

Oil: not readily biodegradable. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: not readily biodegradable (read-across). Calcium dodecylbenzenesulphonate: readily biodegradable. Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: not readily biodegradable (CO2 Evolution Test).

#### 12.3. Bioaccumulative potential

Oil: not expected to bioaccumulate. Calcium dodecylbenzenesulphonate: BCF = 104 (fish, 21 days).

#### 12.4. Mobility in soil

Semi-solid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Oil products, improperly released to the environment, can cause ground and water pollution.

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

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6. Endocrine disrupting properties

None known

#### 12.7. Other adverse effects

None known

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Incinerate absorbed material with a properly licensed facility. Check local, state and national/federal regulations and comply with the most stringent requirement.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1. UN number or ID number

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE  
 TDG: NOT APPLICABLE  
 US DOT: NOT APPLICABLE

#### 14.2. UN proper shipping name

ADG/ADR/RID/ADN/IMDG/ICAO: NON-HAZARDOUS, NON REGULATED  
 TDG: NON-HAZARDOUS, NON REGULATED  
 US DOT: NON-HAZARDOUS, NON REGULATED

#### 14.3. Transport hazard class(es)

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE  
 TDG: NOT APPLICABLE  
 US DOT: NOT APPLICABLE

#### 14.4. Packing group

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE  
 TDG: NOT APPLICABLE

**US DOT:**

NOT APPLICABLE

**14.5. Environmental hazards**

NOT APPLICABLE

**14.6. Special precautions for user**

NOT APPLICABLE

**14.7. Maritime transport in bulk according to IMO instruments**

NOT APPLICABLE

**14.8. Other information**

NOT APPLICABLE

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU regulations****Authorisations under Title VII:** Not applicable**Restrictions under Title VIII:** None**Other EU regulations:** None**15.1.2. National regulations**

None

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms:** ADG: Australian Dangerous Goods Code  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE: Acute Toxicity Estimate  
 BCF: Bioconcentration Factor  
 cATpE: Converted Acute Toxicity point Estimate  
 CLP: Classification Labelling Packaging Regulation (1272/2008/EC)  
 ES: Exposure Standard  
 GHS: Globally Harmonized System  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Dangerous Goods  
 LC50: Lethal Concentration to 50 % of a test population  
 LD50: Lethal Dose to 50% of a test population  
 LOEL: Lowest Observed Effect Level  
 N/A: Not Applicable  
 NA: Not Available  
 NOEC: No Observed Effect Concentration  
 NOEL: No Observed Effect Level  
 OECD: Organization for Economic Co-operation and Development  
 PBT: Persistent, Bioaccumulative and Toxic substance  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)  
 REL: Recommended Exposure Limit  
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
 SCL: Specific Concentration Limit  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 STOT RE: Specific Target Organ Toxicity, Repeated Exposure  
 STOT SE: Specific Target Organ Toxicity, Single Exposure  
 TWA: Time Weighted Average  
 vPvB: very Persistent and very Bioaccumulative substance  
 WEL: Workplace Exposure Limit  
 Other abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

**Key literature references and sources for data:** Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)  
 Chemical Classification and Information Database (CCID)  
 European Chemicals Agency (ECHA) - Information on Chemicals  
 Hazardous Chemical Information System (HCIS)  
 National Institute of Technology and Evaluation (NITE)  
 Swedish Chemicals Agency (KEMI)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP] / GHS:**

Classification	Classification procedure
Not applicable	Not applicable

**Relevant H-statements:** H302: Harmful if swallowed.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H318: Causes serious eye damage.  
 H361f: Suspected of damaging fertility.  
 H412: Harmful to aquatic life with long lasting effects.  
 H413: May cause long lasting harmful effects to aquatic life.

**Hazard pictogram names:** Not applicable

**Further information:** None

**Changes to the SDS in this revision:** Sections 1.3, 3.2, 8.1, 9.1, 11.1, 15.1, 16.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.