

# Safety Data Sheet

**Regulation (EC) No. 1907/2006, 1272/2008**

Version No.: 1.0

Print Date: Feb. 25, 2019

Page 1/1

\*\*\*\*\*

## SDS REPORT

**GELLIFIQUE LTD**

**41 DEANTOWN AVENUE, MUSSELBURGH, EDINBURGH, UNITED KINGDOM, EH21 8NS**

**SDS Report No.** : SDS201902194  
**Compilation Date** : Feb. 20, 2019~ Feb. 25, 2019  
**Sample Name** : GELLIFIQUE PROFESSIONAL UV/LED GEL  
**Composition/Ingredient of The Sample** : See Section 3 on the SDS  
**Service Requested** : Safety Data Sheet (SDS) for the sample with submitted composition.  
**Summary** : As per request, the contents and formats of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, 1272/2008, Regulation (EU) No 2015/830 and are provided per attached.

Remark: This sample is likely to be classified as cosmetics and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

Signed for and on behalf of  
Technical Center:



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

• Trade name: GELLIIFIQUE PROFESSIONAL UV/LED GEL

• Registration number: Data not available

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

• Application of the substance/ mixture: Make up nail.

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

• Manufacturer/Supplier:

GELLIIFIQUE LTD

41 DEANTOWN AVENUE, MUSSELBURGH, EDINBURGH, UNITED KINGDOM, EH21 8NS

E-mail: INFO@GELLIIFIQUE.COM

• Further information obtainable from: GELLIIFIQUE LTD

### 1.4 Emergency telephone number

UNITED KINGDOM

National Poisons Information Service

Tel: + 44 (0) 844 892 0111

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008:



GHS07 Exclamation mark

Skin Sens. 1 H317 May cause an allergic skin reaction

### Classification system:

The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

### 2.2 Label elements

• Labeling according to Regulation (EC) No 1272/2008: The product is labeled according to Regulation (EC) No 1272/2008.

### Hazard pictograms:



GHS07

• Signal word: Warning

### Hazard statements:

H317 May cause an allergic skin reaction

### Precautionary statement:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing vapors.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P321 Specific treatment see the first aid measures on this label



P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local regulation.

• 2.3 Other hazards

• Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

### SECTION 3: Composition/information on ingredients

• 3.1 Chemical characterization: Mixture

• Description:

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

• Component:

CAS No.: 25035-69-2 EC No.: 607-492-1	Acrylates copolymer	
CAS No.: 61417-49-0 EC No.: 262-774-8	Tris(isooctadecanoato-O)(propan-2-olato)titanium	
CAS No.: 63148-62-9 EC No.: 613-156-5	Dimethyl siloxane	
CAS No.: 63231-60-7 EC No.: 264-038-1	Microcrystalline wax	
CAS No.: 15625-89-5 EC No.: 239-701-3 Index No.: 607-111-00-9	Trimethylolpropane triacrylate ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319	
CAS No.: 7787-59-9 EC No.: 232-122-7	Bismuth chloride oxide	
CAS No.: 947-19-3 EC No.: 213-426-9	Hydroxycyclohexyl phenyl ketone	
CAS No.: 12001-26-2 EC No.: 601-648-2	Mica substance with a Community workplace exposure limit	
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0	Isopropyl alcohol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	
CAS No.: 2379-74-0 EC No.: 219-163-6	C.I. Pigment Red 181 (CI 73360)	
CAS No.: 1332-37-2 EC No.: 215-570-8	Iron oxide	
CAS No.: 6417-83-0 EC No.: 229-142-3	Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate (CI 15880)	
CAS No.: 3844-45-9 EC No.: 223-339-8	Brilliant blue (CI 42090)	
CAS No.: 1302-83-6 EC No.: 215-111-1	Lazurite (77007)	
CAS No.: 8003-22-3 EC No.: 232-318-2	Solvent Yellow 33 ⚠ Skin Sens. 1, H317	
CAS No.: 1333-86-4 EC No.: 215-609-9	Carbon black substance with a Community workplace exposure limit	

CAS No.: 14038-43-8 EC No.: 237-875-5	Prussian blue (CI 77510)	
CAS No.: 81-48-1 EC No.: 201-353-5	1-hydroxy-4-(p-toluidino)anthraquinone (CI 60725)	
CAS No.: 12225-21-7 EC No.: 235-428-9	Aluminium, 4,5-dihydro-5-oxo-1-(4-sulfophenyl)-4-[(4-sulfophenyl)azo]-1H- pyrazole -3-carboxylic acid complex (CI 19140)	
CAS No.: 7429-90-5 EC No.: 231-072-3	Aluminum powder	
CAS No.: 5858-81-1 EC No.: 227-497-9	C.I. Pigment Red 57 (CI 15850)	

#### SECTION 4: First aid measures

##### • 4.1 Description of first aid measures

**General advice:** If medical advice is needed, have product container or label at hand.

**After inhalation:** Supply with fresh air. Call a POISON CENTER/doctor, if you feel unwell.

**After skin contact:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**After eye contact:** Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

**After swallowing:** Wash mouth. Do NOT induce vomiting; Get medical attention if you feel unwell.

• 4.2 Most important symptoms and effects, both acute and delayed: May cause an allergic skin reaction.

• 4.3 Indication of any immediate medical attention and special treatment needed: Treat according to symptom, there is not known specific medicine.

#### SECTION 5: Fire-fighting measures

##### • 5.1 Extinguishing media

##### • Suitable extinguishing agents:

Use CO<sub>2</sub>, powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet.

• 5.2 Special hazards arising from the substance or mixture: May produce irritant / allergic vapor under fire.

##### • 5.3 Advice for firefighters

##### Protective equipment:

Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

#### SECTION 6: Accidental release measures

##### • 6.1 Personal precautions, protective equipment and emergency procedures:

Cut off leakage source and collect spillage timely if safe do it; Ensure adequate ventilation; Wear personal protective equipment; Avoid breathing vapor; Avoid contact eyes and skin.

##### • 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

##### • 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Ensure good ventilation; Dispose contaminated material as waste according to item 13.



• **6.4 Reference to other sections:**

See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

**SECTION 7: Handling and storage**

• **7.1 Precautions for safe handling:**

Read label before use; Use only in well ventilated areas; Wear protective gloves; Avoid breathing vapors; Use respiratory protective device against the effects of vapor; Avoid contact with eyes and skin.

• **Information about fire and explosion protection:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

• **7.2 Conditions for safe storage, including any non-compatibility**

• **Requirements to be met by storerooms and receptacles:** Store in a well-ventilated place. Keep cool.

• **Information about storage in one common storage facility:** Keep out of reach of children; Keep away from flammable substance.

• **Further information about storage conditions:** Store locked up.

• **7.3 Specific end use(s):** Make up nail.

**SECTION 8: Exposure controls/personal protection**

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
12001-26-2 Mica (1.3%)		
Austria	10 mg/m <sup>3</sup> inhalable aerosol	-
Belgium	3 mg/m <sup>3</sup>	-
Denmark	0.3 mg fibres per cm <sup>3</sup>	0.3 mg fibres per cm <sup>3</sup>
Ireland	10 mg/m <sup>3</sup> Inhalable fraction; 0.8 mg/m <sup>3</sup> Respirable fraction	-
Latvia	4 mg/m <sup>3</sup> and phlogopite, muscovite	-
United Kingdom	10 mg/m <sup>3</sup> inhalable aerosol; 0.8 mg/m <sup>3</sup> respirable aerosol	-
67-63-0 Isopropyl alcohol (1.1%)		
Austria	200ppm; 500mg/m <sup>3</sup>	800ppm; 2000 mg/m <sup>3</sup>
Belgium	200ppm; 500mg/m <sup>3</sup>	400ppm; 1000mg/m <sup>3</sup>
Denmark	200ppm; 490mg/m <sup>3</sup>	400ppm; 980mg/m <sup>3</sup>
Finland	200ppm; 500mg/m <sup>3</sup>	250ppm; 620mg/m <sup>3</sup> 15 minutes average value
France	-	400ppm; 980mg/m <sup>3</sup>
Germany (AGS)	200ppm; 500mg/m <sup>3</sup>	400ppm; 1000mg/m <sup>3</sup> 15 minutes average value
Germany (DFG)	200ppm; 500mg/m <sup>3</sup>	400ppm; 1000mg/m <sup>3</sup> 15 minutes average value
Hungary	500 mg/m <sup>3</sup>	2000 mg/m <sup>3</sup>
Ireland	200ppm	400ppm
Latvia	350 mg/m <sup>3</sup>	600 mg/m <sup>3</sup> 15 minutes average value
Poland	900mg/m <sup>3</sup>	1200mg/m <sup>3</sup>
Spain	200ppm; 500mg/m <sup>3</sup>	400ppm; 1000mg/m <sup>3</sup>
Sweden	150ppm; 350 mg/m <sup>3</sup>	250ppm; 600 mg/m <sup>3</sup> 15 minutes average value
United Kingdom	400ppm; 999 mg/m <sup>3</sup>	500ppm; 1250mg/m <sup>3</sup>
1333-86-4 Carbon black (0.55%)		

Belgium	3.5 mg/m <sup>3</sup>	-
Denmark	3.5 mg/m <sup>3</sup>	7.0 mg/m <sup>3</sup>
Finland	3.5 mg/m <sup>3</sup>	7 mg/m <sup>3</sup> 15 minutes reference period
France	3.5 mg/m <sup>3</sup>	-
Ireland	3.5 mg/m <sup>3</sup>	7 mg/m <sup>3</sup> 15 minutes reference period
Spain	3.5 mg/m <sup>3</sup>	-
Sweden	3 mg/m <sup>3</sup>	-
United Kingdom	3.5 mg/m <sup>3</sup>	7.0 mg/m <sup>3</sup>

## • DNELs:

DNEL type		DNEL worker value	DNEL consumer value
15625-89-5 Trimethylolpropane triacrylate			
Systemic effects	Long-term, inhalation exposure	3.5 mg/m <sup>3</sup>	870 µg/m <sup>3</sup>
	Long-term, dermal exposure	83 mg/kg bw/day	42 mg/kg bw/day
	Long-term, oral exposure	-	500 µg/kg bw/day
947-19-3 Hydroxycyclohexyl phenyl ketone			
Systemic Effects	Long-term, inhalation exposure	21.16 mg/m <sup>3</sup>	5.22 mg/m <sup>3</sup>
	Long-term, dermal exposure	3 mg/kg bw/day	1.5 mg/kg bw/day
	Long-term, oral exposure	-	1.5 mg/kg bw/day
67-63-0 Isopropyl alcohol			
Systemic effects	Long-term, inhalation exposure	-	89 mg/m <sup>3</sup>
	Long-term, dermal exposure	-	319 mg/kg bw/day
	Long-term, oral exposure	-	26 mg/kg bw/day
1333-86-4 Carbon black			
Systemic Effects	Long-term, inhalation exposure	1 mg/m <sup>3</sup>	0.06 mg/m <sup>3</sup>
Local Effects	Long-term, inhalation exposure	2 mg/m <sup>3</sup>	1.75 mg/m <sup>3</sup>
7429-90-5 Aluminum			
Systemic Effects	Long-term, inhalation exposure	3.72 mg/m <sup>3</sup>	-
	Long-term, dermal exposure	3.72 mg/m <sup>3</sup>	-
	Long-term, oral exposure	-	3.95 mg/kg bw/day

## • PNECs:

PNEC type	Value
15625-89-5 Trimethylolpropane triacrylate	
Freshwater	870 ng/L
Intermittent releases (freshwater)	8.7 µg/L
Marine water	87 ng/L
Sewage treatment plant (STP)	6.25 mg/L
Sediment (freshwater)	17 µg/kg sediment dw
Sediment (marine water)	1.7 µg/kg sediment dw
947-19-3 Hydroxycyclohexyl phenyl ketone	
Freshwater	14.4 µg/L
Intermittent releases (freshwater)	144 µg/L
Marine water	1.44 µg/L
Sewage treatment plant (STP)	10 mg/L
Sediment (freshwater)	186 µg/kg sediment dw
Sediment (marine water)	18.6 µg/kg sediment dw



67-63-0 Isopropyl alcohol	
Freshwater	140.9 mg/L
Intermittent releases (freshwater)	140.9 mg/L
Marine water	140.9 mg/L
Sewage treatment plant (STP)	2.251 g/L
Sediment (freshwater)	552 mg/kg sediment dw
Sediment (marine water)	552 mg/kg sediment dw
1333-86-4 Carbon black	
Freshwater	5-50 mg/L
Marine water	5 mg/L
7429-90-5 Aluminum	
Sewage treatment plant (STP)	20 mg/L

• **Additional information:** The lists valid during the marking were used as basis.

• **8.2 Exposure controls**

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work;  
See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Respiration protection:** Ensure good ventilation; suitable respiratory protective device recommended.

• **Protection of hands:**



**Protective gloves**

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

• **Eye protection:**



**Safety glasses**

Protective goggles with side-shields.

• **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

## SECTION 9: Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**

• **Appearance:**

<b>Form</b>	Liquid
<b>Color</b>	Multiple colors
<b>Odor</b>	Light odor
<b>Odor threshold</b>	Not determined.
<b>pH-value</b>	Not applicable
<b>Change in condition</b>	
<b>Melting point/melting range</b>	Not determined.
<b>Boiling point and boiling range</b>	Not determined.
<b>Freezing point</b>	Not determined.
<b>Flash point</b>	105°C (closed cup)

· <b>Flammability (solid, gas)</b>	Not applicable
· <b>Decomposition temperature</b>	Not determined.
· <b>Self-ignition</b>	Product is not Self-ignition.
· <b>Danger of explosion</b>	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.
· <b>Explosion limits</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Oxidizing properties</b>	Not oxidability.
· <b>Vapor pressure</b>	Not determined.
· <b>Density</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in/Miscibility with</b>	
<b>Water</b>	Part soluble in water.
· <b>Partition coefficient (n-octanol/water)</b>	Not determined.
· <b>Viscosity</b>	
<b>Dynamic</b>	Not determined.
<b>Kinematic</b>	Not determined.
· <b>9.2 Other information</b>	cruelty free,vegan,not tested on animals.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No decomposition if used according to specification.
- **10.2 Chemical stability:** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions:** No further relevant information available.
- **10.4 Conditions to avoid:** Heat/sparks/open flames/hot surfaces.
- **10.5 Incompatible materials:** Strong acid and strong oxidizing agent.
- **10.6 Hazardous decomposition products:** No further relevant information available.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** No animal test has been done for this product.
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eyes damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** May cause an allergic skin reaction.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.



## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** Not hazardous to the aquatic environment.

61417-49-0 Tris(isooctadecanoato-O)(propan-2-olato)titanium	
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L
15625-89-5 Trimethylolpropane triacrylate	
Short-term toxicity to fish	LC50 (4 days) 870 µg/L NOEC (4 days) 890 µg/L LOEC (4 days) 1.71 mg/L
Short-term toxicity to aquatic invertebrates	LC50 (48 h) 19.9 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 4.86 mg/L
947-19-3 Hydroxycyclohexyl phenyl ketone	
Short-term toxicity to fish	LC50 (4 days) 24 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 53.9 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 4.68 - 14.4 mg/L NOEC (72 h) 700 µg/L
Toxicity to microorganisms	EC50 (3 h) 100 mg/L
67-63-0 Isopropyl alcohol	
Short-term toxicity to fish	LC50 (4 days) 9.64 - 10 g/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L LC50 (24 h) 10 g/L
1333-86-4 Carbon black	
Short-term toxicity to fish	LC50 (14 days) 248 mg/L
Long-term toxicity to fish	NOEC (30 days) 17 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 5.6 g/L LC50 (48 h) 164 mg/L NOEC (24 h) 3.2 g/L
Long-term toxicity to aquatic invertebrates	EC50 (16 days) 4.9 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 95 mg/L

**12.2 Persistence and degradability:** Readily biodegradable.

61417-49-0	Tris(isooctadecanoato-O)(propan-2-olato)titanium	Readily biodegradable in water
15625-89-5	Trimethylolpropane triacrylate	Readily biodegradable in water
947-19-3	Hydroxycyclohexyl phenyl ketone	Readily biodegradable in water
67-63-0	Isopropyl alcohol	BOD <sub>5</sub> =2.23 g O <sub>2</sub> /g; Readily biodegradable in water

**12.3 Bio-accumulative potential:** Low bio-accumulation.

61417-49-0	Tris(isooctadecanoato-O)(propan-2-olato)titanium	Log Pow = 0.05 - 7.87 at 20 - 25 °C and pH 7
15625-89-5	Trimethylolpropane triacrylate	Log Pow = 4.35
947-19-3	Hydroxycyclohexyl phenyl ketone	Log Pow = 2.81 at 25 °C and pH 5.8
67-63-0	Isopropyl alcohol	Log Pow = 0.05 at 25 °C

**12.4 Mobility in soil:** Data not available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable

**vPvB:** Not applicable

- **12.6 Other adverse effects:** No further relevant information available.
- **12.7 Additional ecological information**
- **General notes:** Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water.  
 Do not allow the product to reach ground water, water course or sewage system.

### SECTION 13: Disposal consideration

- **13.1 Waste treatment methods**
- **Recommendation:** Must not be disposed together with household garbage. Must be disposed in according to the local regulation.
- **13.2 Un-cleaned packaging**
- **Recommendation:** Dispose of contents/container in according to the local regulation.

### SECTION 14: Transport information

• <b>14.1 UN-Number</b> ADR, RID, AND, IMDG, IATA	Not regulated as dangerous transport goods
• <b>14.2 UN proper shipping name</b> ADR, RID, AND, IMDG, IATA	Void
• <b>14.3 Transport hazard class (es)</b> ADR, RID, AND, IMDG, IATA Class	Void
Label	Void
• <b>14.4 Packing group</b> ADR, RID, AND, IMDG, IATA	Void
• <b>14.5 Marine pollution</b>	No
• <b>14.6 Special precautions for user</b>	Void
• <b>14.7 UN "Model Regulation"</b>	Void

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **MAK (German Maximum Workplace Concentration):**

1333-86-4	Carbon black	2B
-----------	--------------	----

- **Directive 2012/18/EU**
- **Named dangerous substances-ANNEX I:** None of the ingredients is listed.
- **Seveso category:** Not applicable
- **Qualifying quantity (tonnes) for the application of lower-tier requirements:** Not applicable
- **Qualifying quantity (tonnes) for the application of upper-tier requirements:** Not applicable
- **National regulations.**
- **Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate list of REACH Regulation Annex XIV Authorization:** None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction:** None of the ingredients is listed.
- **REACH Regulation Annex XIV Authorization List:** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.



## SECTION 16: Other information

### Relevant phrases:

H225 Highly flammable liquid and vapour

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

\*\*\*\*\*  
**The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.**

### DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

### Abbreviations and acronyms:

**ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

**IMDG:** International Maritime Code for Dangerous Goods.

**IATA:** International Air Transport Association.

**CAS:** Chemical Abstracts Service (division of the American Chemical Society)

**DNEL:** Derived No-Effect Level (REACH)

**PNEC:** Predicted No-Effect Concentration (REACH)

**PBT:** Persistent, Bio accumulative and Toxic

**SVHC:** Substance of Very High Concern

**LD50:** Lethal dose, 50 percent

**LC50:** Lethal concentration, 50 percent

**NOEC:** No observed effect concentration

**LOEC:** Lowest Observed Effect Concentration

**Flam. Liq. 2:** Flammable liquid, hazard category 2

**Skin Irrit.2:** Skin corrosion/irritation, hazard category 2

**Skin Sens. 1:** Respiratory or skin sensitisation, hazard category 1

**Eye Irrit. 2:** Eye damage/irritation, hazard category 2

**STOT SE 3:** Specific target organ toxicity after single exposure, hazard category 3

\*\*\*\*\*  
**End of safety data sheet**