



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 28-Apr-2026

Revision Number 3

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

### 1.1. Product identifier

Product Code(s) 1894323, 1894324, 1894325, 1894326

Product Name Scania Coolant Concentrate

### Other means of identification

Unique Formula Identifier (UFI) S09U-5D3J-D00U-FG07

Pure substance/mixture Mixture

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

Recommended use Antifreeze

Uses advised against No information available

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

#### Supplier

Scania CV AB  
151 87 Sodertalje  
Sweden  
TEL: +46855381000  
For further information, please contact

E-mail address sds@scania.com

### 1.4. Emergency telephone number

Emergency Telephone +46855381000 Office Hours: 8:00 - 1700

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	+43 1 406 43 43
Belgium	+32 (0) 70 245 245
Bosnia and Herzegovina	+387 33762606
Bulgaria	+359 2 9154 233
Croatia	+385 1 2348 342
Cyprus	+357 1401
Czech Republic	+420 224 91 92 93
Denmark	+45 82 12 12 12
Estonia	+372 16662
Finland	+358 9 471 977
France	+33 (0)1 45 42 59 59
Greece	+30 210 7793777
Hungary	+36 80 201 199
Iceland	+354 112; +354 543 22 22
Latvia	+371 112 (Poison Information Centre), +371 67042473

Lichtenstein	+43 1 406 43 43
Lithuania	+370 (5) 236 20 52
Luxembourg	+352 8002 5500
Malta	1774 (available 8 am - 8 pm)
Netherlands	+31 (0) 88 755 8000
Norway	+47 22 59 13 00
Portugal	+351 800 250 250 (CIAV)
Romania	+40 (0) 21 599 2300 (8 am - 3 pm); +40 (0)21 112 (available 24/7)
Serbia	+381 11 3608 440
Slovakia	+421 2 5477 4166
Slovenia	+386 112
Spain	+34 91 562 04 20
Sweden	+46 112 (ask for the Swedish Poisons Information Centre – Giftinformation)
Switzerland	+45 145, Aus dem Ausland: +45 44 251 51 51

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)

### 2.2. Label elements

Contains Ethylene glycol Index No: 603-027-00-1



#### Signal word

Warning

#### Hazard statements

H302 - Harmful if swallowed.

H332 - Harmful if inhaled.

H373 - May cause damage to organs through prolonged or repeated exposure.

#### Precautionary Statements - EU (§28, 1272/2008)

P370 + P378 - In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

P260 - Do not breathe vapour or mist.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P330 - Rinse mouth.

P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

#### Unknown acute toxicity

4.99 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

4.99 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Additional information**

This product requires tactile warnings if supplied to the general public.

**2.3. Other hazards**

**Other hazards** No information available.

**PBT or vPvB properties** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**Endocrine Disruptor Information** The substance is identified as having no endocrine disrupting properties according to Regulation (EC) No 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Ethylene glycol 107-21-1	75 - 100	No data available	203-473-3 (603-027-00-1)	Acute Tox. 4 (H302)	-	-	-	-
Decanedioic acid, disodium salt 17265-14-4	3 - < 5	01-2120762063-61	241-300-3	Eye Irrit. 2 (H319)	-	-	-	-
Tolyltriazole, sodium salt 64665-57-2	0.1 - < 0.2	01-2119980062-42	265-004-9	Acute Tox. 4 (H302) Skin Corr. 1B (H314) Eye Dam. 1 (H18) Repr. 2 (H361d) Aquatic Chronic 2 (H411)	-	-	-	-

**Full text of H- and EUH-phrases: see section 16**

**Acute Toxicity Estimate**

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Ethylene glycol 107-21-1	4700	10600	3.7538	No data available	No data available
Tolyltriazole, sodium salt 64665-57-2	1980	2002	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a doctor. If breathing has stopped, give artificial respiration. Get medical attention immediately.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
<b>Skin contact</b>	Wash with soap and water. Get medical attention if symptoms occur.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not breathe vapour or mist. Use personal protective equipment as required. See section 8 for more information.

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

<b>Symptoms</b>	Coughing and/ or wheezing. Difficulty in breathing.
<b>Effects of Exposure</b>	May cause damage to organs through prolonged or repeated exposure.

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

<b>Note to doctors</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Water spray. Foam. Dry extinguishing powder.
<b>Unsuitable extinguishing media</b>	None known based on information supplied.

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

<b>Specific hazards arising from the chemical</b>	None known.
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### 5.3. Advice for firefighters

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Ensure adequate ventilation. Do not breathe vapour or mist. Use personal protective equipment as required.
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**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protective equipment. Remove contaminated clothing and shoes. Do not breathe vapour or mist. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from moisture.

**Storage class (TRGS 510)** LGK 10.

### 7.3. Specific end use(s)

**Specific use(s)**  
See section 1 for more information.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

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

### 8.1. Control parameters

**Exposure Limits**

Chemical name		European Union		
Ethylene glycol 107-21-1		TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; pSk		
Chemical name	Austria	Belgium	Bulgaria	Croatia
Ethylene glycol 107-21-1	TWA-TMW: 10 ppm; TWA-TMW: 26 mg/m <sup>3</sup> ; STEL-KZGW: 20 ppm (8 X 5 min); STEL-KZGW: 52 mg/m <sup>3</sup> (8 X 5 min); Sk	TWA: 20 ppm; aerosol TWA: 52 mg/m <sup>3</sup> ; aerosol STEL: 40 ppm; aerosol STEL: 104 mg/m <sup>3</sup> ; aerosol Sd	TWA: 52 mg/m <sup>3</sup> ; TWA: 20 ppm; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; Sk	TWA-GVI: 20 ppm; TWA-GVI: 52 mg/m <sup>3</sup> ; STEL-KGVI: 40 ppm; STEL-KGVI: 104 mg/m <sup>3</sup> ; Sk
Chemical name	Cyprus	Czech Republic	Denmark	Estonia
Ethylene glycol 107-21-1	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; pSk	TWA: 50 mg/m <sup>3</sup> ; Ceiling: 100 mg/m <sup>3</sup> ; pSk	TWA: 10 ppm; TWA: 26 mg/m <sup>3</sup> ; TWA: 10 mg/m <sup>3</sup> ; atomized STEL: 104 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 20 mg/m <sup>3</sup> ; atomized pSk	TWA: 20 ppm; total concentration of aerosol and vapor TWA: 52 mg/m <sup>3</sup> ; total concentration of aerosol and vapor STEL: 40 ppm; total concentration of aerosol and vapor STEL: 104 mg/m <sup>3</sup> ; total concentration of aerosol and vapor Sk
Chemical name	Finland	France	Germany TRGS	Germany (DFG)
Ethylene glycol 107-21-1	TWA: 20 ppm; TWA: 50 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 100 mg/m <sup>3</sup> ; pSk	TWA-VME (indicatif): 2 0 ppm; vapor TWA-VME (indicatif): 5 2 mg/m <sup>3</sup> ; vapor STEL-VLCT (indicatif): 40 ppm; vapor STEL-VLCT (indicatif): 104 mg/m <sup>3</sup> ; vapor dSk	TWA-AGW; 10 ppm (2(I)); TWA-AGW; 26 mg/m <sup>3</sup> (2(I)); Sk	TWA-MAK: 10 ppm; I(2); TWA-MAK: 26 mg/m <sup>3</sup> ; I(2); Sk
Chemical name	Greece	Hungary	Italy MDLPS	Italy (AIDII)
Ethylene glycol 107-21-1	TWA: 50 ppm; vapor TWA: 125 mg/m <sup>3</sup> ; vapor STEL: 50 ppm; vapor STEL: 125 mg/m <sup>3</sup> ; vapor	TWA-AK: 20 ppm; TWA-AK: 52 mg/m <sup>3</sup> ; STEL-CK: 40 ppm; STEL-CK: 104 mg/m <sup>3</sup> ; pSk	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; pSk	TWA: 25 ppm; vapor fraction STEL (REL): 50 ppm; vapor STEL (REL): 10 mg/m <sup>3</sup> ; inhalable fraction and aerosol
Chemical name	Ireland	Latvia	Lithuania	Luxembourg
Ethylene glycol 107-21-1	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; pSk	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; pSk	TWA-IPRD: 10 ppm; aerosol and vapor TWA-IPRD: 25 mg/m <sup>3</sup> ; aerosol and vapor STEL-TPRD: 20 ppm; aerosol and vapor STEL-TPRD: 50 mg/m <sup>3</sup> ; aerosol and vapor Sk	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; pSk
Chemical name	Malta	Netherlands	Norway	Poland

Ethylene glycol 107-21-1	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; pSk	TWA: 52 mg/m <sup>3</sup> ; vapour TWA: 10 mg/m <sup>3</sup> ; droplet STEL: 40 ppm; vapour STEL: 104 mg/m <sup>3</sup> ; vapour Sk	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 104 mg/m <sup>3</sup> (total sum of gas and particulate matter (aerosol) of the substance;value from the regulation); STEL: 40 ppm (total sum of gas and particulate matter (aerosol) of the substance;value from the regulation); Sk	TWA-NDS: 15 mg/m <sup>3</sup> ; STEL-NDSCh: 50 mg/m <sup>3</sup> ; Sk
<b>Chemical name</b>	<b>Portugal</b>	<b>Romania</b>	<b>Slovakia</b>	<b>Slovenia</b>
Ethylene glycol 107-21-1	TWA (VLE-MP): 20 ppm; TWA (VLE-MP): 52 mg/m <sup>3</sup> ; STEL (VLE-CD): 40 ppm; STEL (VLE-CD): 104 mg/m <sup>3</sup> ; Ceiling (VLE-CM): 100 mg/m <sup>3</sup> ; aerosol only pSk	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; Sk	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; Ceiling: 104 mg/m <sup>3</sup> ; pSk	TWA: 20 ppm; TWA: 52 mg/m <sup>3</sup> ; STEL: 40 ppm; STEL: 104 mg/m <sup>3</sup> ; pSk
<b>Chemical name</b>	<b>Spain</b>	<b>Sweden</b>	<b>Switzerland</b>	<b>United Kingdom</b>
Ethylene glycol 107-21-1	TWA-(VLA-ED): 20 ppm; TWA-(VLA-ED): 52 mg/m <sup>3</sup> ; STEL (VLA-EC): 40 ppm; STEL (VLA-EC): 104 mg/m <sup>3</sup> ; pSk	TLV-NGV: 10 ppm; aerosol and vapor TLV-NGV: 25 mg/m <sup>3</sup> ; aerosol and vapor STEL (Bindande KGV): 40 ppm; aerosol and vapor STEL (Bindande KGV): 104 mg/m <sup>3</sup> ; aerosol and vapor Sk	TWA-MAK: 10 ppm; aerosol, vapour TWA-MAK: 26 mg/m <sup>3</sup> ; aerosol, vapour STEL-KZGW: 20 ppm; aerosol, vapour STEL-KZGW: 52 mg/m <sup>3</sup> ; aerosol, vapour Sk	TWA: 10 mg/m <sup>3</sup> ; particulate TWA: 20 ppm; vapour TWA: 52 mg/m <sup>3</sup> ; vapour STEL: 40 ppm; vapour STEL: 104 mg/m <sup>3</sup> ; vapour STEL: 30 mg/m <sup>3</sup> ; particulate pSk

**Note** See section 16 for terms and abbreviations

**Biological occupational exposure limits** This product, as supplied, contains materials that do not have reportable biological exposure limits or are not subject to the reporting requirements of the local jurisdiction.

#### Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Ethylene glycol 107-21-1	-	106 mg/kg bw/day [4] [6]	35 mg/m <sup>3</sup> [5] [6]
Decanedioic acid, disodium salt 17265-14-4	-	10 mg/kg bw/day [4] [6]	35.26 mg/m <sup>3</sup> [4] [6]

#### Notes

[4] Systemic health effects.

[5] Local health effects.

[6] Long term.

#### Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Ethylene glycol 107-21-1	-	-	7 mg/m <sup>3</sup> [5] [6]
Decanedioic acid, disodium salt 17265-14-4	5 mg/kg bw/day [4] [6]	-	8.7 mg/m <sup>3</sup> [4] [6]

#### Notes

[4] Systemic health effects.

[5] Local health effects.

[6] Long term.

#### Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Decanedioic acid, disodium salt 17265-14-4	0.018 mg/L	0.18 mg/L	0.0018 mg/L	0.18 mg/L	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Decanedioic acid, disodium salt 17265-14-4	0.548 mg/kg sediment dw	0.0548 mg/kg sediment dw	10 mg/L	0.0988 mg/kg soil dw	-

## 8.2. Exposure controls

### Engineering controls

No information available.

### Personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

#### Hand protection

Wear suitable gloves. Gloves must conform to standard EN 374.

#### Skin and body protection

Wear suitable protective clothing.

#### Respiratory protection

Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

#### Thermal hazards

No information available.

### Environmental exposure controls

No information available.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	light violet, liquid
Physical state	Liquid
Colour	light violet
Odour	Characteristic
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	< -18 °C	DIN ISO 3016
Boiling point or initial boiling point and boiling range	> 160 °C	ASTM D1120)
Flammability		No data available
Lower and upper explosion limit/flammability limit		
Lower explosion limit		No data available
Upper explosion limit		No data available
Flash point	> 124 °C	ISO 2719
Autoignition temperature	420 °C	DIN 51794
Decomposition temperature		No data available
SADT (°C)		No data available
pH	8	approx, ASTM D1287
pH (as aqueous solution)		No data available
Kinematic viscosity	20 - 32 mm <sup>2</sup> /s	@ 20 °C, DIN 51562
Dynamic viscosity		No data available
Water solubility	Soluble in water	
Solubility		No data available
Partition coefficient n-octanol/water (log value)		No data available
Vapour pressure	0.2 hPa	@ 20 °C
Density and/or relative density	1.122 - 1.25 g/cm <sup>3</sup>	@20°C DIN 51757
Bulk density		No data available
Liquid Density		No data available
Relative vapour density	> 1	@ 20 °C; Heavier than air
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available

**9.2. Other information**

Molecular weight	No information available
VOC content	No information available
Softening point	No information available

**9.2.1. Information with regards to physical hazard classes**

No information available	
Explosive properties	Not an explosive
Oxidising properties	Not an oxidizer

**9.2.2. Other safety characteristics**

No information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactivity	No information available.
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**10.2. Chemical stability**

**Stability** Hygroscopic.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**10.4. Conditions to avoid**

**Conditions to avoid** Incompatible materials. Protect from moisture.

**10.5. Incompatible materials**

**Incompatible materials** Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Contact with eyes may cause irritation.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components).

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Coughing and/ or wheezing. Difficulty in breathing.

**Acute toxicity** Harmful if swallowed. Harmful by inhalation.

**Numerical measures of toxicity**

The following ATE values have been calculated for the mixture

ATEmix (oral)	1,600 mg/kg
ATEmix (dermal)	> 5,000 mg/kg
ATEmix (inhalation-dust/mist)	3.75 mg/kg

**Unknown acute toxicity**

4.99 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

4.99 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol	= 4700 mg/kg ( Rat )	= 10600 mg/kg ( Rat )	> 2.5 mg/L ( Rat ) 6 h
Tolyltriazole, sodium salt	= 1980 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**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** This product contains  $\geq 0.1$  -  $< 3.0\%$  of substance (s) that are classified for Reproductive toxicity Category 2. 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** May cause damage to organs through prolonged or repeated exposure.

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

#### 11.2. Information on other hazards

##### 11.2.1. Endocrine disrupting properties

**Endocrine disruption for human health** Based on available data, the classification criteria are not met.

##### 11.2.2. Other information

**Other adverse effects** No information available.

## **SECTION 12: Ecological information**

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

**Aquatic toxicity****Component Information**

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Ethylene glycol	LC50: =41000mg/L (96h, Oncorhynchus mykiss) LC50: 14 - 18mL/L (96h, Oncorhynchus mykiss) LC50: =27540mg/L (96h, Lepomis macrochirus) LC50: =40761mg/L (96h, Oncorhynchus mykiss) LC50: 40000 - 60000mg/L (96h, Pimephales promelas) LC50: =16000mg/L (96h, Poecilia reticulata)	EC50: =46300mg/L (48h, Daphnia magna)	EC50: 6500 - 13000mg/L (96h, Pseudokirchneriella subcapitata)	-

**12.2. Persistence and degradability** No information available.

**12.3. Bioaccumulative potential**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
Ethylene glycol	-1.36	-	-
Decanedioic acid, disodium salt	-4.9	-	-
Tolyltriazole, sodium salt	1.091	-	-

**12.4. Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Chemical name	PBT and vPvB assessment
Ethylene glycol	Not PBT/vPvB
Decanedioic acid, disodium salt	Not PBT/vPvB
Tolyltriazole, sodium salt	Not PBT/vPvB

**12.6. Endocrine disrupting properties** Based on available data, the classification criteria are not met.

**12.7. Other adverse effects** No information available.

**PMT or vPvM properties** Based on available data, the classification criteria are not met.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.

**SECTION 14: Transport information****IATA**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	None

**IMDG**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	None
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	No information available

**RID**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	None

**ADR**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	None

**ADN**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	None

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****France****Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
Ethylene glycol 107-21-1	RG 84

**Germany**

**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

**Chemical Prohibition Ordinance (ChemVerbotsV)**

Not applicable.

**TRGS 905**

Not applicable

**Switzerland**

**Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018** Not applicable

**Storage of Hazardous Material** SC 10/12

**WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20** Class B

**Major Accidents Ordinance SR 814.012** Not applicable

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorisations and/or restrictions on use:**

Use restricted. See item: 3.

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 2024/590**

Not applicable.

**Explosives Precursors Marketing and Use (2019/1148)**

Not applicable.

**International Inventories****TSCA**

Contact supplier for inventory compliance status

**DSL/NDL**

Contact supplier for inventory compliance status

**EINECS/ELINCS**

Contact supplier for inventory compliance status

ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status
TCSI	Contact supplier for inventory compliance status

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing Chemicals Inventory  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals  
**TCSI** - Taiwan Chemical Substance Inventory

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**SECTION 16: Other information****Full text of any hazard and/or precautionary statements referred to under Sections 2-15**

H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H319 - Causes serious eye irritation  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell  
P330 - Rinse mouth  
P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable  
P261 - Avoid breathing dust, fume, gas, mist, vapors and spray  
P271 - Use only outdoors or in a well-ventilated area  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a POISON CENTER or doctor if you feel unwell  
P260 - Do not breathe dust, fume, gas, mist, vapors and spray  
P314 - Get medical advice/attention if you feel unwell

**Key or legend to abbreviations and acronyms used in the safety data sheet**

List may include phrases which are not applicable to this product

ACGIH	American Conference of Governmental Industrial Hygienists
AIDII	Italian Association of Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight

Ceiling	Maximum limit value
CLP	Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DFG	German Research Foundation
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
ECHA	European Chemicals Agency
EC Number	European Community number
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
EWC	European Waste Codes
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
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MAK	Maximum Concentration at the Workplace
MAL	Measuring Technical Hygienic Air Needs
MARPOL	International Convention for the Prevention of Pollution from Ships
MDLPS	Ministry of Labour and Social Policy
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
REACH	Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
SVHC	Substance of very high concern
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TRGS	Technical Rule for Hazardous Substances

TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
C	Carcinogen
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitiser
RS	Respiratory Sensitiser
S	Sensitiser
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

#### Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 U.S. Environmental Protection Agency  
 U.S. EPA Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)  
Japan National Institute of Technology and Evaluation (NITE)  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
United Nations World Health Organization (WHO)

**Issuing Date** 10-Jul-2015  
**Revision date** 28-Apr-2026  
**Reason for revision** Updated format. SDS sections updated: 1 - 16.

**Disclaimer**

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End of Safety Data Sheet

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