

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Article 31**

Printing date 12.08.2025

Version number 1

Revision: 29.07.2025

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

- **1.1 Product identifier**
  - **Trade name:** **LOCTITE EA 9658 100NMG AERO**
  - **UFI:** T800-P0VS-K00F-TDGD
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Adhesives  
Stamped out rondels/pads
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
HTK Hamburg GmbH  
Oehleckerring 32  
D-22419 Hamburg  
Germany  
Tel: +49 40 - 600 38 38 - 0  
Fax: +49 40 - 600 38 38 - 99  
info@htk-hamburg.com
  - **Informing department:** Phone: +49 40 - 600 38 38 - 0
- **1.4 Emergency telephone number:**  
Gift-Informationszentrum Nord, Göttingen  
Poison Information Center, Göttingen  
Tel.: +49 (0)551 19240  
(German and English only)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Muta. 2	H341	Suspected of causing genetic defects.
Repr. 1B	H360F	May damage fertility. Route of exposure: Oral.



GHS07

Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

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**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS07 GHS08

**Signal word** Danger**Hazard-determining components of labelling:**

4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline]

dapstone

bis[4-(2,3-epoxypropoxy)phenyl]propane

**Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H360F May damage fertility. Route of exposure: Oral.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P201 Obtain special instructions before use.

P273 Avoid release to the environment.

P280 Wear protective gloves / protective clothing.

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

P308+P313 IF exposed or concerned: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

**Additional information:**

Please refer to further labelling elements in section 15 of this safety data sheet, if applicable.

Restricted to professional users.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Description:** Mixture consisting of the following components.**Dangerous components:**

CAS: 7429-90-5 EINECS: 231-072-3 Index number: 013-001-00-6 Reg.nr.: 01-211 952 9243-45-X	aluminium ⚠ Pyr. Sol. 1, H250; Water-react. 2, H261	10 - 50%
CAS: 28768-32-3 EINECS: 249-204-3 Reg.nr.: 01-2119472303-45-X	4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline] ⚠ Muta. 2, H341; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	≥ 25 - ≤ 50%

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CAS: 80-08-0 EINECS: 201-248-4 Index number: 612-084-00-1 Reg.nr.: 01-2119949572-30-X	dapsone ☠ Acute Tox. 3, H301; ☠ Repr. 1B, H360F; STOT SE 2, H371; STOT RE 2, H373; ☠ Aquatic Chronic 2, H411	≥ 2.5 - < 10%
CAS: 1675-54-3 EINECS: 216-823-5 Index number: 603-073-00-2 Reg.nr.: 01-2119456619-26-X	bis[4-(2,3-epoxypropoxy)phenyl]propane ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5% Skin Irrit. 2; H315: C ≥ 5 %	≥ 5 - ≤ 10%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### · 4.1 Description of first aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
In case of permanent aches and pains please go and see the doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.  
Remove contact lenses if possible.  
Do not rub eyes dry, the mechanical stress can cause additional cornea damages.
- **After swallowing**  
Swallowing is not considered to be a possible way of exposure.  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting.  
Seek immediate medical advice.

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

No further relevant information available.

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

A symptomatic therapy is to be induced.

## SECTION 5: Firefighting measures

### · 5.1 Extinguishing media

#### · Suitable extinguishing agents

Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.

#### · For safety reasons unsuitable extinguishing agents

None known.

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

Inhalation of combustion gases may cause serious health hazards.  
During incomplete combustion carbon monoxide can be formed.

### · 5.3 Advice for firefighters

· **Protective equipment:** Wear self-contained breathing apparatus.

#### · Additional information

Remove goods in stock from incendiary zone, if possible.  
Use water to keep fire exposed containers cool.

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### SECTION 6: Accidental release measures

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

Avoid contact with the product.

· **For non-emergency personnel** Avoid contact with the product.· **For emergency responders** Put on suitable personal protective equipment.

#### · 6.2 Environmental precautions: Do not allow to enter drainage system, ground/soil and water bodies.

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

Ensure adequate ventilation.

Collect mechanically.

Send for recovery or disposal in suitable containers.

#### · 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 information on disposal.

### SECTION 7: Handling and storage

#### · 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

· **Information about protection against explosions and fires:** No special measures required.

#### · Handling

Avoid contact with the eyes and skin.

Wash thoroughly after handling.

Do not eat or drink while working.

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

##### · Storage

##### · Requirements to be met by storerooms and containers:

Store cool and dry in well sealed containers.

Store only undamaged original packaging drums.

##### · Information about storage in one common storage facility: Store away from foodstuffs.

##### · Further information about storage conditions:

Store in a cool place.

Protect from heat and direct sunlight.

Protect from humidity and keep away from water.

#### · 7.3 Specific end use(s) Adhesive

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · Components with limit values that require monitoring at the workplace:

WEL: workplace exposure limit

OEL: Occupational Exposure Limit

#### 7429-90-5 aluminium

WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
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#### · DNELs

#### 7429-90-5 aluminium

Oral	DNEL (consumer, long-term, systemic)	7.9 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	3.72 mg/m <sup>3</sup> (human)

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	DNEL (worker, long-term, local)	3.72 mg/m <sup>3</sup> (human)
<b>28768-32-3 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline]</b>		
Oral	DNEL (consumer, long-term, systemic)	0.15 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	0.42 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	0.15 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	1.48 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, systemic)	0.261 mg/m <sup>3</sup> (human)
<b>1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane</b>		
Oral	DNEL (consumer, long-term, systemic)	0.5 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	0.75 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	0.0893 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	4.93 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, systemic)	0.87 mg/m <sup>3</sup> (human)

**· PNECs**

<b>28768-32-3 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline]</b>	
PNEC aqua (fresh water)	0.00121 mg/L (.)
PNEC Water (marine water)	0.000121 mg/L (.)
PNEC STP - Sewage Treatment Plant	1,000 mg/L (.)
PNEC soil	0.0000597 mg/kg soil dw (.)
PNEC sediment (fresh water)	0.00653 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.0000653 mg/kg sedim. dw (.)
<b>1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane</b>	
PNEC aqua (fresh water)	0.006 mg/L (.)
PNEC Water (marine water)	0.001 mg/L (.)
PNEC STP - Sewage Treatment Plant	10 mg/L (.)
PNEC soil	0.065 mg/kg soil dw (.)
PNEC sediment (fresh water)	0.341 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.034 mg/kg sedim. dw (.)
PNEC oral	11 mg/kg food (.)

· **Additional information:** The lists that were valid during the compilation were used as basis.

**· 8.2 Exposure controls****· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off all contaminated clothing immediately.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

**· Breathing equipment:**

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

**· Hand protection**

Protective gloves.

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Only use chemical-protective gloves with CE-labelling of category III (EN 374).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

In case of a layer thickness of 0.4 mm the penetration time is longer than 480 minutes.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**

Not required when used as intended.

Safety glasses recommended if possibility of liquid splashes exists.



Tightly sealed safety glasses.

- **Body protection:**



Protective work clothing.

## SECTION 9: Physical and chemical properties

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

- **General Information**

· <b>Physical state</b>	Solid
· <b>Colour:</b>	Grey
· <b>Odour:</b>	Weak, characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Not determined
· <b>Boiling point or initial boiling point and boiling range</b>	> 120 °C
· <b>Flammability</b>	Not determined.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	Not applicable
· <b>Auto-ignition temperature:</b>	400 °C (7429-90-5 aluminium)
· <b>Decomposition temperature:</b>	> 200 °C
· <b>SADT</b>	
· <b>pH</b>	Not applicable.

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· <b>Viscosity:</b>	
· <i>Kinematic viscosity</i>	Not applicable.
· <i>dynamic:</i>	Not applicable.
· <b>Solubility</b>	
· <i>Water:</i>	Insoluble
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density and/or relative density</b>	
· <i>Density at 20 °C</i>	1.5 g/cm <sup>3</sup>
· <i>Relative density</i>	Not determined.
· <i>Vapour density</i>	Not applicable.
· <b>Particle characteristics</b>	The product is not a powder.

· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <i>Form:</i>	Solid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <i>Self-inflammability:</i>	Product is not selfigniting.
· <i>Explosive properties:</i>	Product is not explosive.
· <b>VOC EU</b>	
· <i>Solids content:</i>	100.0 %
· <b>Change in condition</b>	
· <i>Evaporation rate</i>	Not applicable.

· <b>Information with regard to physical hazard classes</b>	
· <i>Explosives</i>	Void
· <i>Flammable gases</i>	Void
· <i>Aerosols</i>	Void
· <i>Oxidising gases</i>	Void
· <i>Gases under pressure</i>	Void
· <i>Flammable liquids</i>	Void
· <i>Flammable solids</i>	Void
· <i>Self-reactive substances and mixtures</i>	Void
· <i>Pyrophoric liquids</i>	Void
· <i>Pyrophoric solids</i>	Void
· <i>Self-heating substances and mixtures</i>	Void
· <i>Substances and mixtures, which emit flammable gases in contact with water</i>	Void
· <i>Oxidising liquids</i>	Void
· <i>Oxidising solids</i>	Void
· <i>Organic peroxides</i>	Void
· <i>Corrosive to metals</i>	No statement can be made on this point due to a lack of studies on the product.
	Void
· <b>Desensitised explosives</b>	Void

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**  
The product is stable under normal handling and storage conditions (see section 7).
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with acids  
Reacts with strong oxidizing agents
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Strong acids and alkali  
Avoid contact with strong oxidizing agents.
- **10.6 Hazardous decomposition products:**  
None in case of intended use and storage in compliance with instructions.

## SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

 · **LD/LC50 values that are relevant for classification:**

### ATE (Acute Toxicity Estimates)

Oral	LD50	> 3,750 - 7,500 mg/kg
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### 7429-90-5 aluminium

Oral	LD50	> 15,900 mg/kg (Rat) (OECD 401)
Inhalative	LC0	0.888 mg/l/4h (Rat) (OECD 403)
		Dust or Mist

### 28768-32-3 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline]

Oral	LD50	> 5,000 mg/kg (Rat) (OECD 401)
Dermal	LD0	> 3,000 mg/kg (rabbit)

### 80-08-0 dapsone

Oral	LD50	375 mg/kg (mouse)
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### 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

Oral	LD50	> 2,000 mg/kg (Rat)
Dermal	LD50	> 2,000 mg/kg (Rat)

- **Primary irritant effect:**
  - **Skin corrosion/irritation**  
Causes skin irritation.
  - **Serious eye damage/irritation** Causes serious eye irritation.
  - **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Suspected of causing genetic defects.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** May damage fertility. Route of exposure: Oral.
- **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.

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· **Additional toxicological information:**

· <b>Repeated dose toxicity</b>		
<b>7429-90-5 aluminium</b>		
Oral	NOAEL (28d)	302 mg/kg bw/day (Rat) (OECD 407)
Inhalative	LOEC (90d)	50 mg/m <sup>3</sup> (Rat) (OECD 413) Dust or Mist

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Muta. 2, Repr. 1B

· **11.2 Information on other hazards**

· <b>Endocrine disrupting properties</b>
None of the ingredients is listed.

## SECTION 12: Ecological information

· **12.1 Toxicity**

· <b>Aquatic toxicity:</b>	
<b>7429-90-5 aluminium</b>	
EC50	0.72 mg/l/48h (Ceriodaphnia dubia) (EPA/600/4-85/013)
NOEC (static)	≥ 0.044 mg/l/72h (Raphidocelis subcapitata) (OECD 201)
<b>1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane</b>	
EC50 (static)	1.7 mg/l/48h (Daphnia magna) (OECD 202)
LC50 (static)	1.75 mg/l/96h (Oncorhynchus mykiss) (OECD 203)
EC50	9.4 mg/l/72h (Selenastrum capricornutum)

· **12.2 Persistence and degradability** No further relevant information available.

· **Other information:** There are no data available about the preparation.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into soil.

## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The waste code numbers mentioned are recommendations based on the probable use of the product.

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· <b>European waste catalogue</b>	
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP6	Acute Toxicity
HP10	Toxic for reproduction
HP11	Mutagenic
HP13	Sensitising
HP14	Ecotoxic

· **Uncleaned packagings:**· **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.  
Non contaminated packagings can be used for recycling.

## SECTION 14: Transport information

· <b>14.1 UN number or ID number</b>	
· <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b>	
· <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

## SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

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· **REGULATION (EC) No 1907/2006 ANNEX XVII**

Taking into account the intended use as specified in section 1, the relevant entries from Annex XVII are carried out.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

· **Water hazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

· **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H250 Catches fire spontaneously if exposed to air.

H261 In contact with water releases flammable gases.

H301 Toxic if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H341 Suspected of causing genetic defects.

H360F May damage fertility.

H371 May cause damage to organs.

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

H411 Toxic to aquatic life with long lasting effects.

· **Classification according to Regulation (EC) No 1272/2008** Calculation method

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· **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:  
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· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 ATE: Acute toxicity estimate values  
 Pyr. Sol. 1: Pyrophoric solids – Category 1  
 Water-react. 2: Substances and mixtures which in contact with water emit flammable gases – Category 2  
 Acute Tox. 3: Acute toxicity – Category 3  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 Skin Sens. 1: Skin sensitisation – Category 1  
 Muta. 2: Germ cell mutagenicity – Category 2  
 Repr. 1B: Reproductive toxicity – Category 1B  
 STOT SE 2: Specific target organ toxicity (single exposure) – Category 2  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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