



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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TEROSON MS 939 BK

SDS No.: 633050

V004.1

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

#### 1.1. Product identifier

TEROSON MS 939 BK

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

Intended use:

MS Adhesive

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

Henkel Ltd

Adhesives

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

ua-productsafety.uk@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: [technical.services@henkel.co.uk](mailto:technical.services@henkel.co.uk)

### SECTION 2: Hazards identification

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

##### Classification (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

#### 2.2. Label elements

##### Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

##### Supplemental information

Safety data sheet available on request.

**2.3. Other hazards**

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**Following substances are present in a concentration  $\geq 0,1\%$  and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):**

This mixture does not contain any substances in concentration  $\geq$  the concentration limit that are assessed to be a PBT, vPvB or ED.

### SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.<br>EC Number<br>REACH-Reg No.                                | Concentration | Classification   | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|--|---------------|--|---|------------------|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9<br>258-207-9<br>01-2119537297-32 | 0,1- < 1 %    | Repr. 2, H361F<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411<br>Aquatic Acute 1, H400 | M acute = 1                               |                  |

**For full text of the H - statements and other abbreviations see section 16 "Other information".  
Substances without classification may have community workplace exposure limits available.**

### SECTION 4: First aid measures

**4.1. Description of first aid measures**

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

No data available.

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

See section: Description of first aid measures

### SECTION 5: Fire fighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

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

In case of fire toxic gases can be released.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

Wear protective equipment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

**6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

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

Dispose of contaminated material as waste according to Section 13.

Remove mechanically.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

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

Ensure good ventilation/extraction.

Temperatures between + 10 °C and + 25 °C

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

MS Adhesive

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

| Ingredient [Regulated substance]  | ppm | mg/m <sup>3</sup> | Value type                        | Short term exposure limit category / Remarks | Regulatory list |
|---|-----|-------------------|-----------------------------------|--|-----------------|
| Calcium carbonate<br>471-34-1<br>[CALCIUM CARBONATE, INHALABLE DUST]                  |     | 10                | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[CALCIUM CARBONATE, RESPIRABLE DUST]                 |     | 4                 | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[LIMESTONE, RESPIRABLE MARBLE, RESPIRABLE]           |     | 4                 | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[LIMESTONE, TOTAL INHALABLE MARBLE, TOTAL INHALABLE] |     | 10                | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[Dust, inhalable dust]                               |     | 10                | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[Dust, respirable dust]                              |     | 4                 | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Carbon black<br>1333-86-4<br>[CARBON BLACK]   |     | 3,5               | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Carbon black<br>1333-86-4<br>[CARBON BLACK]   |     | 7                 | Short Term Exposure Limit (STEL): | 15 minutes                                   | EH40 WEL        |

#### Occupational Exposure Limits

Valid for  
Ireland

| Ingredient [Regulated substance]                              | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|---|-----|-------------------|------------------------------|--|-----------------|
| Calcium carbonate<br>471-34-1<br>[CALCIUM CARBONATE]          |     | 4                 | Time Weighted Average (TWA): |  | IR_OEL          |
| Calcium carbonate<br>471-34-1<br>[CALCIUM CARBONATE]          |     | 10                | Time Weighted Average (TWA): |  | IR_OEL          |
| Calcium carbonate<br>471-34-1<br>[DUST NON-SPECIFIC]          |     | 4                 | Time Weighted Average (TWA): |  | IR_OEL          |
| Calcium carbonate<br>471-34-1<br>[DUST NON-SPECIFIC]          |     | 10                | Time Weighted Average (TWA): |  | IR_OEL          |
| Stearic acid<br>57-11-4<br>[STEARATES (EXCEPT LEAD STEARATE)] |     | 10                | Time Weighted Average (TWA): |  | IR_OEL          |
| Carbon black<br>1333-86-4<br>[CARBON BLACK]                   |     | 3                 | Time Weighted Average (TWA): |  | IR_OEL          |

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

| Name on list  | Environmental<br>Compartment       | Exposure<br>period | Value           |     |            |        | Remarks |
|---|------------------------------------|--------------------|-----------------|-----|------------|--------|---------|
|   |                                    |                    | mg/l            | ppm | mg/kg      | others |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | aqua<br>(freshwater)               |                    | 0,004 mg/l      |     |            |        |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | aqua (marine<br>water)             |                    | 0,00038<br>mg/l |     |            |        |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | Freshwater -<br>intermittent       |                    | 0,007 mg/l      |     |            |        |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | sediment<br>(freshwater)           |                    |                 |     | 5,9 mg/kg  |        |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | sediment<br>(marine water)         |                    |                 |     | 0,59 mg/kg |        |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | Soil                               |                    |                 |     | 1,18 mg/kg |        |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | sewage<br>treatment plant<br>(STP) |                    | 1 mg/l          |     |            |        |         |

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

| Name on list  | Application<br>Area   | Route of<br>Exposure | Health Effect                               | Exposure<br>Time | Value      | Remarks |
|---|-----------------------|----------------------|---|------------------|------------|---------|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | Workers               | dermal               | Long term<br>exposure -<br>systemic effects |                  | 1,8 mg/kg  |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | Workers               | Inhalation           | Long term<br>exposure -<br>systemic effects |                  | 1,27 mg/m3 |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | General<br>population | Inhalation           | Long term<br>exposure -<br>systemic effects |                  | 0,31 mg/m3 |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | General<br>population | dermal               | Long term<br>exposure -<br>systemic effects |                  | 0,9 mg/kg  |         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | General<br>population | oral                 | Long term<br>exposure -<br>systemic effects |                  | 0,18 mg/kg |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Ensure good ventilation/suction at the workplace.

Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Protective goggles

Protective eye equipment should conform to EN166.

Skin protection:

Wear protective equipment.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

Use only personal protection that's CE-labelled according to Directive 89/686/EEC (Europe) or to Regulation No. 819 of 19 August 1994 (Norway), or equivalent.

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

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

|                            |  |
|----------------------------|--|
| Physical state             | solid                                      |
| Delivery form              | paste                                      |
| Colour                     | black                                      |
| Odor                       | characteristic                             |
| Flash point                | Not applicable                             |
| pH                         | Not applicable, Product reacts with water. |
| Viscosity (kinematic)      | Not applicable, Product is a solid.        |
| Density<br>(20 °C (68 °F)) | 1,5 g/cm <sup>3</sup> no method            |

### 9.2. Other information

Other information not applicable for this product

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None if used for intended purpose.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

None if used for intended purpose.

### 10.5. Incompatible materials

None if used properly.

### 10.6. Hazardous decomposition products

No decomposition if used according to specifications.

## SECTION 11: Toxicological information

Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                             | Value<br>type | Value       | Species | Method                                   |
|---|---------------|-------------|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | LD50          | 3.700 mg/kg | rat     | OECD Guideline 423 (Acute Oral toxicity) |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No.                                | Value type | Value         | Species | Method                                     |
|---|------------|---------------|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | LD50       | > 3.170 mg/kg | rat     | OECD Guideline 402 (Acute Dermal Toxicity) |

**Acute inhalative toxicity:**

No substance data available.

No data available.

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No.                                | Result         | Exposure time | Species | Method                                 |
|---|----------------|---------------|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | not irritating | 24 h          | rabbit  | EPA OPP 81-5 (Acute Dermal Irritation) |

**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No.                                | Result    | Exposure time | Species | Method  |
|---|-----------|---------------|---------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | corrosive | 24 h          | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No.                                | Result          | Test type                    | Species    | Method                                  |
|---|-----------------|------------------------------|------------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | not sensitising | Guinea pig maximisation test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No.                                | Result   | Type of study / Route of administration          | Metabolic activation / Exposure time | Species | Method   |
|---|----------|--|--------------------------------------|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                     |         | OECD Guideline 471 (Bacterial Reverse Mutation Assay)              |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | negative | in vitro mammalian chromosome aberration test    | with and without                     |         | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | negative | mammalian cell gene mutation assay               | with and without                     |         | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)    |

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                             | Result / Value                          | Test type                   | Route of<br>application | Species | Method  |
|---|---|-----------------------------|-------------------------|---------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | NOAEL P 109 mg/kg<br>NOAEL F1 121 mg/kg | two-<br>generation<br>study | oral: feed              | rat     | OECD Guideline 443<br>(Extended One-Generation<br>Reproductive Toxicity<br>Study) |

**STOT-single exposure:**

No data available.

**STOT-repeated exposure::**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                             | Result / Value | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method           |
|---|----------------|-------------------------|--|---------|------------------|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | NOAEL 36 mg/kg | oral: feed              | daily  | rat     | other guideline: |

**Aspiration hazard:**

No data available.

**11.2 Information on other hazards**

not applicable



## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                             | Value<br>type | Value    | Exposure time | Species             | Method   |
|---|---------------|----------|---------------|---------------------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | LC50          | 4,4 mg/l | 96 h          | Lepomis macrochirus | OECD Guideline 203 (Fish, Acute Toxicity Test) |

#### Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                             | Value<br>type | Value     | Exposure time | Species       | Method   |
|---|---------------|-----------|---------------|---------------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | EC50          | 8,58 mg/l | 48 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

#### Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                             | Value<br>type | Value     | Exposure time | Species       | Method                                      |
|---|---------------|-----------|---------------|---------------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | NOEC          | 0,23 mg/l | 21 d          | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                             | Value<br>type | Value      | Exposure time | Species                         | Method  |
|---|---------------|------------|---------------|---------------------------------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | EC50          | 0,705 mg/l | 72 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | EC10          | 0,188 mg/l | 72 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |

#### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                             | Value<br>type | Value      | Exposure time | Species                    | Method   |
|---|---------------|------------|---------------|----------------------------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | EC50          | > 100 mg/l | 3 h           | activated sludge, domestic | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

### 12.2. Persistence and degradability

| Hazardous substances<br>CAS-No.                             | Result                     | Test type | Degradability | Exposure time | Method  |
|---|----------------------------|-----------|---------------|---------------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | not readily biodegradable. | aerobic   | 24 %          | 28 d          | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

| Hazardous substances<br>CAS-No.                             | LogPow | Temperature | Method   |
|---|--------|-------------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | 0,35   | 25 °C       | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |

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

| Hazardous substances<br>CAS-No.                             | PBT/ vPvB   |
|---|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**12.6. Endocrine disrupting properties**

not applicable

**12.7. Other adverse effects**

No data available.

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

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09.

**SECTION 14: Transport information****14.1. UN number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.2. UN proper shipping name**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

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

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.4. Packing group**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.5. Environmental hazards**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.6. Special precautions for user**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

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

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009): Not applicable

Prior Informed Consent (PIC) (Regulation (EU) No 649/2012): Not applicable

Persistent organic pollutants (Regulation (EU) 2019/1021): Not applicable

VOC content 0,6 %  
(2010/75/EU)

**15.2. Chemical safety assessment**

A chemical safety assessment has been carried out.

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H318 Causes serious eye damage.  
H361f Suspected of damaging fertility.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

|             |   |
|-------------|---|
| ED:         | Substance identified as having endocrine disrupting properties  |
| EU OEL:     | Substance with a Union workplace exposure limit   |
| EU EXPLD 1: | Substance listed in Annex I, Reg (EC) No. 2019/1148   |
| EU EXPLD 2  | Substance listed in Annex II, Reg (EC) No. 2019/1148  |
| SVHC:       | Substance of very high concern (REACH Candidate List)   |
| PBT:        | Substance fulfilling persistent, bioaccumulative and toxic criteria   |
| PBT/vPvB:   | Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria |
| vPvB:       | Substance fulfilling very persistent and very bioaccumulative criteria  |

**Further information:**

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