



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

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Loctite Glue Remover

SDS No. : 436560  
V002.3

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

#### 1.1. Product identifier

Loctite Glue Remover

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

Intended use:  
adhesive remover

#### 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

SDSinfo.Adhesive@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):

Serious eye irritation  
H319 Causes serious eye irritation.

Category 2

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



##### Signal word:

Warning

**Hazard statement:** H319 Causes serious eye irritation.

**Precautionary statement:** P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

None if used properly.

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 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 |
|------------------------------------------------------------------|---------------|--------------------|-------------------------------------------|------------------|
| propylene carbonate<br>108-32-7<br>203-572-1<br>01-2119537232-48 | 80- < 100 %   | Eye Irrit. 2, H319 |                                           |                  |

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

#### General information:

In case of adverse health effects seek medical advice.

#### Inhalation:

Move to fresh air, consult doctor if complaint persists.

#### Skin contact:

Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water.

If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth.

Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.

Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn.

Burns should be treated normally after the adhesive has been removed from the skin.

**Eye contact:**

If the eye is bonded closed, release eyelashes with warm water by covering with wet pad.

Keep eye covered until debonding is complete, usually within 1-3 days.

Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive.

Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

**Ingestion:**

Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

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

Causes serious eye irritation.

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

See section: Description of first aid measures

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

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

High pressure waterjet

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

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) 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.

Danger of slipping on spilled product.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

**6.2. Environmental precautions**

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

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

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

**6.4. Reference to other sections**

See advice in section 8

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

Open and handle container with care.

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

**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**

Store in a cool, well-ventilated place.

Keep away from heat and direct sunlight.

Storage at 0 to 25°C is recommended.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

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

adhesive remover

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational Exposure Limits**

Valid for  
Great Britain

None

**Occupational Exposure Limits**

Valid for  
Ireland

None

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

| Name on list                    | Environmental Compartment    | Exposure period | Value     |     |            |        | Remarks |
|---------------------------------|------------------------------|-----------------|-----------|-----|------------|--------|---------|
|                                 |                              |                 | mg/l      | ppm | mg/kg      | others |         |
| Propylene carbonate<br>108-32-7 | aqua (marine water)          |                 | 0,09 mg/l |     |            |        |         |
| Propylene carbonate<br>108-32-7 | aqua (freshwater)            |                 | 0,9 mg/l  |     |            |        |         |
| Propylene carbonate<br>108-32-7 | sewage treatment plant (STP) |                 | 7400 mg/l |     |            |        |         |
| Propylene carbonate<br>108-32-7 | Freshwater - intermittent    |                 | 9 mg/l    |     |            |        |         |
| Propylene carbonate<br>108-32-7 | Soil                         |                 |           |     | 0,81 mg/kg |        |         |
| Propylene carbonate<br>108-32-7 | Marine water - intermittent  |                 | 0,9 mg/l  |     |            |        |         |

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

| Name on list                    | Application Area   | Route of Exposure | Health Effect                         | Exposure Time | Value       | Remarks |
|---------------------------------|--------------------|-------------------|---------------------------------------|---------------|-------------|---------|
| Propylene carbonate<br>108-32-7 | Workers            | inhalation        | Long term exposure - systemic effects |               | 70,53 mg/m3 |         |
| Propylene carbonate<br>108-32-7 | Workers            | inhalation        | Long term exposure - local effects    |               | 20 mg/m3    |         |
| Propylene carbonate<br>108-32-7 | Workers            | dermal            | Long term exposure - systemic effects |               | 20 mg/kg    |         |
| Propylene carbonate<br>108-32-7 | Workers            | dermal            | Long term exposure - local effects    |               | 10 mg/cm2   |         |
| Propylene carbonate<br>108-32-7 | General population | inhalation        | Long term exposure - systemic effects |               | 17,4 mg/m3  |         |
| Propylene carbonate<br>108-32-7 | General population | inhalation        | Long term exposure - local effects    |               | 10 mg/m3    |         |
| Propylene carbonate<br>108-32-7 | General population | dermal            | Long term exposure - systemic effects |               | 10 mg/kg    |         |
| Propylene carbonate<br>108-32-7 | General population | oral              | Long term exposure - systemic effects |               | 10 mg/kg    |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Combination filter: ABEKP (EN 14387)

This recommendation should be matched to local conditions.

Hand protection:

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.

Perforation time &gt; 10 minutes

material thickness &gt; 0.1 mm

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

Skin protection:

Suitable protective clothing

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

Advices to personal protection equipment:

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

liquid

|                                                                                                                                             |                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Delivery form                                                                                                                               | gel                                                                                                                                 |
| Colour                                                                                                                                      | colourless to yellowish                                                                                                             |
| Odor                                                                                                                                        | mild                                                                                                                                |
| Melting point                                                                                                                               | Not applicable, Product is a liquid                                                                                                 |
| Solidification temperature                                                                                                                  | < -50 °C (< -58 °F)                                                                                                                 |
| Initial boiling point                                                                                                                       | 242 °C (467.6 °F)                                                                                                                   |
| Flammability                                                                                                                                | The product is not flammable.                                                                                                       |
| Explosive limits                                                                                                                            |                                                                                                                                     |
| lower                                                                                                                                       | 0,02 %(V);                                                                                                                          |
| upper                                                                                                                                       | 0,33 %(V);                                                                                                                          |
| Flash point                                                                                                                                 | > 123 °C (> 253.4 °F)                                                                                                               |
| Auto-ignition temperature                                                                                                                   | Currently under determination                                                                                                       |
| Decomposition temperature                                                                                                                   | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| pH                                                                                                                                          | Not applicable, Product is non-polar/aprotic.                                                                                       |
| Viscosity (kinematic)<br>(40 °C (104 °F); )                                                                                                 | 2,8 mm <sup>2</sup> /s                                                                                                              |
| Viscosity, dynamic<br>(Haake; Instrument: Haake cone and plate,<br>RV1, C60/1°Ti; 25 °C (77 °F); Shear<br>gradient: 1.000 s <sup>-1</sup> ) | 100 - 300 mPa.s LCT STM 740; cone & plate viscosity                                                                                 |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Water)                                                                                 | Partially soluble                                                                                                                   |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Acetone)                                                                               | Partially soluble                                                                                                                   |
| Partition coefficient: n-octanol/water                                                                                                      | Currently under determination                                                                                                       |
| Vapour pressure<br>(20 °C (68 °F))                                                                                                          | 0,14 mbar                                                                                                                           |
| Density<br>(20 °C (68 °F))                                                                                                                  | 1,209 g/cm <sup>3</sup> None                                                                                                        |
| Relative vapour density:<br>(20 °C)                                                                                                         | = 1,2                                                                                                                               |
| Particle characteristics                                                                                                                    | Not applicable<br>Product is a liquid                                                                                               |

## 9.2. Other information

Other information not applicable for this product

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

### 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

See section reactivity.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1 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                                   |
|---------------------------------|---------------|---------------|---------|------------------------------------------|
| propylene carbonate<br>108-32-7 | LD50          | > 5.000 mg/kg | rat     | OECD Guideline 401 (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<br>CAS-No. | Value<br>type | Value         | Species | Method                                     |
|---------------------------------|---------------|---------------|---------|--------------------------------------------|
| propylene carbonate<br>108-32-7 | LD50          | > 3.000 mg/kg | rabbit  | OECD Guideline 402 (Acute Dermal Toxicity) |

#### Acute inhalative toxicity:

The toxicity of the product is due to its narcotic effect after inhalation.

In the event of protracted or repeated exposure, damage to health cannot be excluded.

No substance data available.

#### Skin corrosion/irritation:

Bonds skin in seconds. Considered to be of low toxicity: acute dermal LD50 (rabbit)>2000mg/kg

Due to polymerisation at the skin surface allergic reaction is unlikely to occur

| Hazardous substances<br>CAS-No. | Result         | Exposure<br>time | Species | Method                                                   |
|---------------------------------|----------------|------------------|---------|----------------------------------------------------------|
| propylene carbonate<br>108-32-7 | not irritating | 24 h             | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

#### Serious eye damage/irritation:

Liquid product will bond eyelids. In a dry atmosphere (RH<50%) vapours may cause irritation and lachrymatory effect

| Hazardous substances<br>CAS-No. | Result     | Exposure<br>time | Species | Method                                                |
|---------------------------------|------------|------------------|---------|-------------------------------------------------------|
| propylene carbonate<br>108-32-7 | irritating |                  | 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<br>CAS-No. | Result          | Test type  | Species | Method     |
|---------------------------------|-----------------|------------|---------|------------|
| propylene carbonate<br>108-32-7 | not sensitising | Patch-Test | human   | Patch Test |

**Germ cell mutagenicity:**

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

| Hazardous substances<br>CAS-No. | Result   | Type of study /<br>Route of<br>administration                                                     | Metabolic<br>activation /<br>Exposure time | Species | Method                                                                                                                            |
|---------------------------------|----------|---------------------------------------------------------------------------------------------------|--------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------|
| propylene carbonate<br>108-32-7 | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test)                                            | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)                                                                       |
| propylene carbonate<br>108-32-7 | negative | DNA damage and<br>repair assay,<br>unscheduled DNA<br>synthesis in<br>mammalian cells in<br>vitro | without                                    |         | OECD Guideline 482 (Genetic<br>Toxicology: DNA Damage<br>and Repair, Unscheduled<br>DNA Synthesis in Mammalian<br>Cells In Vitro) |
| propylene carbonate<br>108-32-7 | negative | intraperitoneal                                                                                   |                                            | mouse   | OECD Guideline 474<br>(Mammalian Erythrocyte<br>Micronucleus Test)                                                                |

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

No data available.

**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                                                                   |
|---------------------------------|---------------------|-------------------------|----------------------------------------------|---------|--------------------------------------------------------------------------|
| propylene carbonate<br>108-32-7 | NOAEL 0,1 mg/l      | inhalation              | 13 weeks (93 days)<br>6 h/d; 5 d/w           | rat     | OECD Guideline 413<br>(Subchronic Inhalation<br>Toxicity: 90-Day)        |
| propylene carbonate<br>108-32-7 | NOAEL > 5.000 mg/kg | oral: gavage            | 90 days<br>5 days/week                       | rat     | OECD Guideline 408<br>(Repeated Dose 90-Day<br>Oral Toxicity in Rodents) |

**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       |
|---------------------------------|---------------|------------|---------------|----------------|--------------|
| propylene carbonate<br>108-32-7 | LC50          | 5.300 mg/l | 96 h          | Leuciscus idus | DIN 38412-15 |

#### 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                                                           |
|---------------------------------|---------------|------------|---------------|---------------|------------------------------------------------------------------|
| propylene carbonate<br>108-32-7 | EC50          | > 500 mg/l | 48 h          | Daphnia magna | OECD Guideline 202<br>(Daphnia sp. Acute<br>Immobilisation Test) |

#### Chronic toxicity to aquatic invertebrates

No data available.

#### 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                                               |
|---------------------------------|---------------|------------|---------------|-------------------------------------------------------------------|------------------------------------------------------|
| propylene carbonate<br>108-32-7 | EC50          | > 900 mg/l | 72 h          | Scenedesmus subspicatus (new<br>name: Desmodesmus<br>subspicatus) | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| propylene carbonate<br>108-32-7 | NOEC          | 900 mg/l   | 72 h          | Scenedesmus subspicatus (new<br>name: Desmodesmus<br>subspicatus) | OECD Guideline 201 (Alga,<br>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        |
|---------------------------------|---------------|---------------|---------------|---------|---------------|
| propylene carbonate<br>108-32-7 | EC10          | > 10.000 mg/l | 17 h          |         | not specified |

### 12.2. Persistence and degradability

| Hazardous substances<br>CAS-No. | Result                   | Test type | Degradability | Exposure<br>time | Method                                                                            |
|---------------------------------|--------------------------|-----------|---------------|------------------|-----------------------------------------------------------------------------------|
| propylene carbonate<br>108-32-7 | inherently biodegradable | aerobic   | > 70 %        |                  | OECD Guideline 302 B (Inherent<br>biodegradability: Zahn-<br>Wellens/EMPA Test)   |
| propylene carbonate<br>108-32-7 | readily biodegradable    | aerobic   | 98 %          |                  | OECD Guideline 301 E (Ready<br>biodegradability: Modified OECD<br>Screening Test) |

### 12.3. Bioaccumulative potential

No data available.

**12.4. Mobility in soil**

| Hazardous substances<br>CAS-No. | LogPow | Temperature | Method        |
|---------------------------------|--------|-------------|---------------|
| propylene carbonate<br>108-32-7 | -0,41  |             | not specified |

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

| Hazardous substances<br>CAS-No. | PBT / vPvB                                                                                                            |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| propylene carbonate<br>108-32-7 | 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:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

140603

## SECTION 14: Transport information

**14.1. UN number or ID 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**

No information available:

**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 |

**15.2. Chemical safety assessment**

A chemical safety assessment has not 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:

H319 Causes serious eye irritation.

|             |                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------|
| 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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