



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

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LOCTITE LB 8009

SDS No. : 798766

V001.1

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

#### 1.1. Product identifier

LOCTITE LB 8009

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

Intended use:

Antiseize

#### 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)1442 278497

### 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.

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 |
|----------------------------------------------------------------|---------------|-------------------------------------------|-------------------------------------------|------------------|
| Dodecylbenzene calcium sulfonate                               | 5- < 10 %     | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |                                           |                  |
| Calcium fluoride<br>7789-75-5<br>232-188-7<br>01-2119491248-30 | 10- 20 %      |                                           |                                           | EU OEL           |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.

For full text of the H - statements and other abbreviations see section 16 "Other information".

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.

Obtain medical attention if irritation persists.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

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

Prolonged or repeated contact may cause skin irritation.

Prolonged or repeated contact may cause 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:

water, carbon dioxide, foam, powder

**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), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) can be released.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Additional information:**

In case of fire, keep containers cool with water spray.

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

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

**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.

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

**6.4. Reference to other sections**

See advice in section 8

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

Avoid skin and eye contact.

See advice in section 8

**Hygiene measures:**

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Good industrial hygiene practices should be observed.

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

Ensure good ventilation/extraction.

Refer to Technical Data Sheet

Store at room temperature.

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

Antiseize

## 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 fluoride<br>7789-75-5<br>[FLOURIDE (INORGANIC, AS F)]                         |     | 2,5               | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Calcium fluoride<br>7789-75-5<br>[FLUORIDES, INORGANIC]                               |     | 2,5               | Time Weighted Average (TWA): | Indicative                                   | ECTLV           |
| Graphite<br>7782-42-5<br>[GRAPHITE, INHALABLE DUST]                                   |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Graphite<br>7782-42-5<br>[GRAPHITE, RESPIRABLE DUST]                                  |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| 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        |

#### 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 fluoride<br>7789-75-5<br>[FLUORIDES, INORGANIC]                             |     | 2,5               | Time Weighted Average (TWA): | Indicative OELV                                                                        | IR_OEL          |
| Calcium fluoride<br>7789-75-5<br>[FLUORIDES, INORGANIC]                             |     | 2,5               | Time Weighted Average (TWA): | Indicative                                                                             | ECTLV           |
| Calcium fluoride<br>7789-75-5<br>[FLUORIDE]                                         |     | 2,5               | Time Weighted Average (TWA): |                                                                                        | IR_OEL          |
| Graphite<br>7782-42-5<br>[GRAPHITE (ALL FORMS EXCEPT FIBRES) (RESPIRABLE FRACTION)] |     | 2                 | Time Weighted Average (TWA): |                                                                                        | IR_OEL          |
| Graphite<br>7782-42-5<br>[GRAPHITE (ALL FORMS EXCEPT FIBRES)]                       |     | 2                 | Time Weighted Average (TWA): |                                                                                        | IR_OEL          |
| Distillates (petroleum), hydrotreated heavy naphthenic<br>64742-52-5                |     |                   |                              | Included in the regulation but with no data values. See regulation for further details | IR_OEL          |

|                                                                                                                                                                                                           |  |    |                              |                                   |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|------------------------------|-----------------------------------|--------|
| [MINERAL OILS THAT HAVE BEEN USED BEFORE IN INTERNAL COMBUSTION ENGINES TO LUBRICATE AND COOL THE MOVING PARTS WITHIN THE ENGINE]                                                                         |  |    |                              |                                   |        |
| Distillates (petroleum), hydrotreated heavy naphthenic<br>64742-52-5<br>[MINERAL OIL PURE, HIGHLY & SEVERELY REFINED]                                                                                     |  | 5  | Time Weighted Average (TWA): |                                   | IR_OEL |
| Distillates (petroleum), hydrotreated heavy naphthenic<br>64742-52-5<br>[MINERAL OILS THAT HAVE BEEN USED BEFORE IN INTERNAL COMBUSTION ENGINES TO LUBRICATE AND COOL THE MOVING PARTS WITHIN THE ENGINE] |  |    | Skin designation:            | Can be absorbed through the skin. | IR_OEL |
| Calcium distearate<br>1592-23-0<br>[STEARATES (EXCEPT LEAD STEARATE)]                                                                                                                                     |  | 10 | Time Weighted Average (TWA): |                                   | IR_OEL |
| 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>[DUSTS NON-SPECIFIC]                                                                                                                                                     |  | 4  | Time Weighted Average (TWA): |                                   | IR_OEL |
| Calcium carbonate<br>471-34-1<br>[DUSTS NON-SPECIFIC]                                                                                                                                                     |  | 10 | Time Weighted Average (TWA): |                                   | IR_OEL |

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

| Name on list                  | Environmental Compartment          | Exposure period | Value    |     |          |        | Remarks |
|-------------------------------|------------------------------------|-----------------|----------|-----|----------|--------|---------|
|                               |                                    |                 | mg/l     | ppm | mg/kg    | others |         |
| Calcium fluoride<br>7789-75-5 | aqua<br>(freshwater)               |                 | 0,9 mg/l |     |          |        |         |
| Calcium fluoride<br>7789-75-5 | sewage<br>treatment plant<br>(STP) |                 | 51 mg/l  |     |          |        |         |
| Calcium fluoride<br>7789-75-5 | Soil                               |                 |          |     | 11 mg/kg |        |         |

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

| Name on list                  | Application Area   | Route of Exposure | Health Effect                         | Exposure Time | Value      | Remarks |
|-------------------------------|--------------------|-------------------|---------------------------------------|---------------|------------|---------|
| Calcium fluoride<br>7789-75-5 | Workers            | inhalation        | Long term exposure - systemic effects |               | 5 mg/m3    |         |
| Calcium fluoride<br>7789-75-5 | General population | inhalation        | Long term exposure - systemic effects |               | 0,5 mg/m3  |         |
| Calcium fluoride<br>7789-75-5 | General population | oral              | Long term exposure - systemic effects |               | 0,02 mg/kg |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Engineering controls:

Ensure good ventilation/extraction.

**Respiratory protection:**

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A (EN 14387)

**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):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  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:**

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

**Skin protection:**

Wear 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**

|                                                                                              |                                                                                                                                     |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Delivery form                                                                                | paste                                                                                                                               |
| Colour                                                                                       | grey                                                                                                                                |
| Odor                                                                                         | mild, fatty                                                                                                                         |
| Physical state                                                                               | liquid                                                                                                                              |
| Melting point                                                                                | Not applicable, Product is a liquid                                                                                                 |
| Solidification temperature                                                                   | $< 0^{\circ}\text{C}$ ( $< 32^{\circ}\text{F}$ )                                                                                    |
| Initial boiling point                                                                        | $> 100^{\circ}\text{C}$ ( $> 212^{\circ}\text{F}$ )None                                                                             |
| Flammability                                                                                 | The product is not flammable.                                                                                                       |
| Explosive limits                                                                             | Not applicable, The product is not flammable.                                                                                       |
| Flash point                                                                                  | $> 93^{\circ}\text{C}$ ( $> 199.4^{\circ}\text{F}$ )                                                                                |
| Auto-ignition temperature                                                                    | Not applicable, The product is not flammable.                                                                                       |
| 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-soluble (in water).                                                                                  |
| Viscosity (kinematic)<br>( $40^{\circ}\text{C}$ ( $104^{\circ}\text{F}$ ); )                 | $> 20,5\text{ mm}^2/\text{s}$                                                                                                       |
| Solubility (qualitative)<br>( $20^{\circ}\text{C}$ ( $68^{\circ}\text{F}$ ); Solvent: Water) | Not miscible or difficult to mix                                                                                                    |
| Partition coefficient: n-octanol/water                                                       | Not applicable                                                                                                                      |
| Vapour pressure<br>( $20^{\circ}\text{C}$ ( $68^{\circ}\text{F}$ ))                          | Mixture<br>$< 1\text{ hPa}$                                                                                                         |
| Density<br>( $20^{\circ}\text{C}$ ( $68^{\circ}\text{F}$ ))                                  | 1,1799 g/cm <sup>3</sup> None                                                                                                       |
| Relative vapour density:<br>( $20^{\circ}\text{C}$ )                                         | $> 1$                                                                                                                               |
| 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

Reaction with strong oxidants.

Reaction with strong acids.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

Stable under normal conditions of storage and use.

### 10.5. Incompatible materials

See section reactivity.

### 10.6. Hazardous decomposition products

carbon oxides.

## 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                                   |
|---------------------------------|---------------|---------------|---------|------------------------------------------|
| Calcium fluoride<br>7789-75-5   | LD50          | > 2.000 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<br>CAS-No. | Value<br>type | Value         | Species | Method                               |
|---------------------------------|---------------|---------------|---------|--------------------------------------|
| Calcium fluoride<br>7789-75-5   | LD50          | > 2.000 mg/kg | rat     | EPA OPP 81-2 (Acute Dermal Toxicity) |

#### Acute inhalative 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       | Test atmosphere | Exposure<br>time | Species | Method                                         |
|---------------------------------|---------------|-------------|-----------------|------------------|---------|------------------------------------------------|
| Calcium fluoride<br>7789-75-5   | LC50          | > 5,07 mg/l | dust            | 4 h              | rat     | OECD Guideline 403 (Acute Inhalation Toxicity) |

#### Skin corrosion/irritation:

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

| Hazardous substances<br>CAS-No. | Result         | Exposure<br>time | Species | Method                                                   |
|---------------------------------|----------------|------------------|---------|----------------------------------------------------------|
| Calcium fluoride<br>7789-75-5   | not irritating |                  | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

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

| Hazardous substances<br>CAS-No. | Result         | Exposure<br>time | Species | Method                                                |
|---------------------------------|----------------|------------------|---------|-------------------------------------------------------|
| Calcium fluoride<br>7789-75-5   | not 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                                                             |
|---------------------------------|-----------------|---------------------------------------|---------|--------------------------------------------------------------------|
| Calcium fluoride<br>7789-75-5   | not sensitising | Mouse local lymphnode<br>assay (LLNA) | mouse   | OECD Guideline 429 (Skin Sensitisation:<br>Local Lymph Node Assay) |

**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                                                                   |
|---------------------------------|----------|--------------------------------------------------------|--------------------------------------------|---------|--------------------------------------------------------------------------|
| Calcium fluoride<br>7789-75-5   | negative | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |         | OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test) |
| Calcium fluoride<br>7789-75-5   | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)              |
| Calcium fluoride<br>7789-75-5   | negative |                                                        | with and without                           |         | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>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                                                                 |
|---------------------------------|-------------------------------------|-----------------------------|----------------------------|---------|------------------------------------------------------------------------|
| Calcium fluoride<br>7789-75-5   | NOAEL P 250 ppm<br>NOAEL F1 250 ppm | two-<br>generation<br>study | oral:<br>drinking<br>water | rat     | OECD Guideline 416 (Two-<br>Generation Reproduction<br>Toxicity 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                                                                     |
|---------------------------------|----------------|-------------------------|----------------------------------------------|---------|----------------------------------------------------------------------------|
| Calcium fluoride<br>7789-75-5   |                | inhalation:<br>aerosol  | 28 d<br>6 hours/day, 5<br>days/week          | rat     | OECD Guideline 412<br>(Repeated Dose<br>Inhalation Toxicity:<br>28/14-Day) |

**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 / surface water / ground water.

**12.1. Toxicity****Toxicity (Fish):**

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

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value  | Exposure time | Species             | Method                                                      |
|---------------------------------|---------------|--------|---------------|---------------------|-------------------------------------------------------------|
| Calcium fluoride<br>7789-75-5   | NOEC          | 4 mg/l | 21 d          | Oncorhynchus mykiss | OECD Guideline 210 (fish<br>early lite stage toxicity test) |

**Toxicity (aquatic invertebrates):**

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

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value          | Exposure time | Species | Method           |
|---------------------------------|---------------|----------------|---------------|---------|------------------|
| Calcium fluoride<br>7789-75-5   | EC50          | > 26 - 48 mg/l | 96 h          | other:  | other guideline: |

**Chronic toxicity (aquatic invertebrates):**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value    | Exposure time | Species       | Method           |
|---------------------------------|---------------|----------|---------------|---------------|------------------|
| Calcium fluoride<br>7789-75-5   | NOEC          | 3,7 mg/l | 21 d          | Daphnia magna | other guideline: |

**Toxicity (Algae):**

No data available.

**Toxicity (microorganisms):**

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

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value    | Exposure time | Species            | Method           |
|---------------------------------|---------------|----------|---------------|--------------------|------------------|
| Calcium fluoride<br>7789-75-5   | NOEC          | 231 mg/l | 16 h          | Pseudomonas putida | other guideline: |

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | PBT / vPvB                                                                                                            |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Calcium fluoride<br>7789-75-5   | 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:

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

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code

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

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.

**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****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 < 3 %  
(2010/75/EC)

**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:

H315 Causes skin irritation.

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:**

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (SDSinfo.Adhesive@henkel.com) prior to export to other territories than the European Union.

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your\_company.com).

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**