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

1.1. Product identifier

\[ \text{SUPERLUBE GREASE 12X85GM} \quad \text{YZZ0012L0} \]

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

**Intended use:** Lubricant

1.3. Details of the supplier of the safety data sheet

- **Henkel Ltd**
- **Wood Lane End**
- **HP2 4RQ** Hemel Hempstead
- **Great Britain**

- **Phone:** +44 1442 278000
- **Fax-no.:** +44 1442 278071
- **ua-productsafety.uk@uk.henkel.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).

**Classification (DPD):**

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

2.2. Label elements

**Label elements (CLP):**

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

**Supplemental information**

EUH210 Safety data sheet available on request.
**Label elements (DPD):**

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

**Additional labeling:**

Safety data sheet available for professional user on request.

2.3. Other hazards

None if used properly.

---

**SECTION 3: Composition/information on ingredients**

**General chemical description:**

Lubricant

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

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS-No.</th>
<th>EC Number</th>
<th>REACH-Reg No.</th>
<th>content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2'-Thiodiethylene bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)</td>
<td>41484-35-9</td>
<td>255-592-8</td>
<td>01-2119960149-32</td>
<td>&lt; 2.5 %</td>
<td>Chronic hazards to the aquatic environment 4 H413</td>
</tr>
</tbody>
</table>

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.

**Declaration of ingredients according to DPD (EC) No 1999/45:**

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS-No.</th>
<th>EC Number</th>
<th>REACH-Reg No.</th>
<th>content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2'-Thiodiethylene bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)</td>
<td>41484-35-9</td>
<td>255-592-8</td>
<td>01-2119960149-32</td>
<td>&lt; 2.5 %</td>
<td>R53</td>
</tr>
</tbody>
</table>

For full text of the R-Phrases indicated by codes 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. If symptoms persist, seek medical advice.

**Skin contact:**

Rinse with running water and soap.

Seek medical advice.

**Eye contact:**

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

**Ingestion:**

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.

Seek medical advice.

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:
- Carbon dioxide, foam, powder

5.2. Special hazards arising from the substance or mixture
In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) 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 skin and eye contact.
Ensure adequate ventilation.

6.2. Environmental precautions
Do not let product enter drains.

6.3. Methods and material for containment and cleaning up
- 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
- Use only in well-ventilated areas.
- Vapours should be extracted to avoid inhalation.
- Prolonged or repeated skin contact should be avoided

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
- Store in a cool, well-ventilated place.
- Keep away from heat and direct sunlight.

7.3. Specific end use(s)
- Lubricant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
- Great Britain

None
Predicted No-Effect Concentration (PNEC):

<table>
<thead>
<tr>
<th>Name on list</th>
<th>Environmental Compartment</th>
<th>Exposure period</th>
<th>Value</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mg/l ppm mg/kg others</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 41484-35-9</td>
<td>STP</td>
<td></td>
<td>1 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

Derived No-Effect Level (DNEL):

<table>
<thead>
<tr>
<th>Name on list</th>
<th>Application Area</th>
<th>Route of Exposure</th>
<th>Health Effect</th>
<th>Exposure Time</th>
<th>Value</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 41484-35-9</td>
<td>worker</td>
<td>inhalation</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>3 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 41484-35-9</td>
<td>worker</td>
<td>Dermal</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>13,8 mg/kg bw/day</td>
<td></td>
</tr>
<tr>
<td>Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 41484-35-9</td>
<td>general population</td>
<td>Dermal</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>6,9 mg/kg bw/day</td>
<td></td>
</tr>
<tr>
<td>Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 41484-35-9</td>
<td>general population</td>
<td>oral</td>
<td>Long term exposure - systemic effects</td>
<td></td>
<td>0,69 mg/kg bw/day</td>
<td></td>
</tr>
</tbody>
</table>

Biological Exposure Indices:
None

8.2. Exposure controls:

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

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; >= 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; >= 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.

Skin protection:
Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>paste</td>
</tr>
<tr>
<td>Odor</td>
<td>white</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available / Not applicable</td>
</tr>
</tbody>
</table>
### pH
No data available / Not applicable

### Initial boiling point
No data available / Not applicable

### Flash point
$> 200 \, ^\circ\text{C} (> 392 \, ^\circ\text{F})$

### Decomposition temperature
No data available / Not applicable

### Vapour pressure
No data available / Not applicable

### Density
0.89 g/cm³

### Bulk density
No data available / Not applicable

### Viscosity
No data available / Not applicable

### Viscosity (kinematic)
No data available / Not applicable

### Explosive properties
No data available / Not applicable

### Solubility (qualitative)
Insoluble

### Solidification temperature
No data available / Not applicable

### Melting point
No data available / Not applicable

### Flammability
No data available / Not applicable

### Auto-ignition temperature
No data available / Not applicable

### Explosive limits
No data available / Not applicable

### Partition coefficient: n-octanol/water
No data available / Not applicable

### Evaporation rate
No data available / Not applicable

### Vapor density
No data available / Not applicable

### Oxidising properties
No data available / Not applicable

## 9.2. Other information
No data available / Not applicable

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
Reacts with strong oxidants.

#### 10.2. Chemical stability
Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions
See section reactivity

#### 10.4. Conditions to avoid
Stable

#### 10.5. Incompatible materials
See section reactivity

#### 10.6. Hazardous decomposition products
Irritating organic vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**General toxicological information:**
The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Oral toxicity:**
This material is considered to have low toxicity if swallowed.
May cause irritation to the digestive tract.

**Inhalative toxicity:**
Due to the low volatility of the product there are no hazards associated with inhalation under normal conditions of use.
Skin irritation:
Prolonged or repeated contact may cause skin irritation.

Eye irritation:
May cause mild irritation to the eyes.

Acute oral toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2'-Thiodiethylene bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)</td>
<td>LD50</td>
<td>&gt; 2,000 mg/kg</td>
<td>oral</td>
<td>rat</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
</table>

Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
</table>

SECTION 12: Ecological information

General ecological information:
The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

12.1. Toxicity

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

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Acute Toxicity Study</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
</table>

12.2. Persistence and degradability

Persistence and Biodegradability:
The product is not biodegradable.

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Mobility:
Cured adhesives are immobile.

Bioaccumulative potential:
No data available.

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>LogKow</th>
<th>Bioconcentration factor (BCF)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Temperature</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2'-Thiodiethylene bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)</td>
<td>&gt; 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.5. Results of PBT and vPvB assessment
Hazardous components

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>PBT/vPvB</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2’-Thiodiethylene bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) 41484-35-9</td>
<td>Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Disposal must be made according to official regulations.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

SECTION 14: Transport information

14.1. UN number

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

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

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

14.4. Packaging group

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

14.5. Environmental hazards

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

14.6. Special precautions for user

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

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC content

0 %

(1999/13/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:
- R53 May cause long-term adverse effects in the aquatic environment.
- H413 May cause long lasting harmful effects to aquatic life.

Further information:
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.