



## SAFETY DATA SHEET LORD ACCELERATOR 17

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

#### 1.1. Product identifier

Product name LORD ACCELERATOR 17

Product number 3020632

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

Identified uses For industrial and professional use only. Two component acrylic adhesive. Curing agent.

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

Supplier LORD Germany GmbH  
Ottostrasse 28  
D-41836 Hückelhoven  
Germany  
TEL : +49 (0) 2433-5257-0  
FAX: + 49 (0) 2433-5257-18  
Questions concerning the content of the SDS: EuropeMSDS@lord.com  
General requests: info.europe@lord.com

Manufacturer LORD CORPORATION  
111 LORD DRIVE  
CARY, NC 27511-7923  
U.S.A.

Information Tel.: 001 814 868 0924

#### 1.4. Emergency telephone number

Emergency telephone NON-TRANSPORTATION EMERGENCY TELEPHONE NO. (USA): 001 814 763 2345

### SECTION 2: Hazards identification

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

##### Classification

Physical hazards Org. Perox. E - H242

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xi;R36/38. R43. O;R7. N;R51/53.

#### 2.2. Label elements

##### Pictogram



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|                                       |                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>                    | Warning                                                                                                                                                                                                                                                                                                                                                  |
| <b>Hazard statements</b>              | H242 Heating may cause a fire.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>H411 Toxic to aquatic life with long lasting effects.                                                                                                                                              |
| <b>Precautionary statements</b>       | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P273 Avoid release to the environment.<br>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.<br>P280 Wear protective clothing, gloves, eye and face protection.<br>P403+P235 Store in a well-ventilated place. Keep cool. |
| <b>Supplemental label information</b> | EUH205 Contains epoxy constituents. May produce an allergic reaction.                                                                                                                                                                                                                                                                                    |
| <b>Contains</b>                       | EPOXY RESIN (Number average MW ≤ 700 ), DIBENZOYL PEROXIDE                                                                                                                                                                                                                                                                                               |

### 2.3. Other hazards

Due to missing data, not all ingredients could be reviewed on PBT and vPvB criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|                                                                                                                         |                                                                            |                                                  |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------|
| <b>EPOXY RESIN (Number average MW ≤ 700 )</b>                                                                           |                                                                            | <b>&lt; 45%</b>                                  |
| CAS number: 25068-38-6                                                                                                  | EC number: 500-033-5                                                       | REACH registration number: 01-2119456619-26-XXXX |
| <b>Classification</b><br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>Skin Sens. 1 - H317<br>Aquatic Chronic 2 - H411 | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>R43 Xi;R36/38 N;R51/53 |                                                  |
| <b>BRANCHED C10-ALKYL BENZOATES</b>                                                                                     |                                                                            | <b>&lt; 25%</b>                                  |
| CAS number: 131298-44-7                                                                                                 | EC number: 421-090-1                                                       |                                                  |
| <b>Classification</b><br>Acute Tox. 4 - H332                                                                            | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>Xn;R20                 |                                                  |
| <b>DIBENZOYL PEROXIDE</b>                                                                                               |                                                                            | <b>&lt; 25%</b>                                  |
| CAS number: 94-36-0                                                                                                     | EC number: 202-327-6                                                       |                                                  |
| <b>Classification</b><br>Org. Perox. B - H241<br>Eye Irrit. 2 - H319<br>Skin Sens. 1 - H317                             | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>E;R3 O;R7 Xi;R36 R43   |                                                  |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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|                            |                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General information</b> | Move affected person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.                                                                                                           |
| <b>Inhalation</b>          | Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately. |
| <b>Ingestion</b>           | Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Consult a physician for specific advice.                                                                    |
| <b>Skin contact</b>        | Remove contaminated clothing and rinse skin thoroughly with water. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.                                                  |
| <b>Eye contact</b>         | Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention.                                                              |

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

|                            |                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------|
| <b>General information</b> | Effects may be delayed. Keep affected person under observation.                               |
| <b>Inhalation</b>          | Irritation of nose, throat and airway. Drowsiness, dizziness, disorientation, vertigo.        |
| <b>Ingestion</b>           | May cause discomfort if swallowed. Drowsiness, dizziness, disorientation, vertigo.            |
| <b>Skin contact</b>        | Skin irritation. Prolonged contact may cause redness, irritation and dry skin. Allergic rash. |
| <b>Eye contact</b>         | Irritation of eyes and mucous membranes.                                                      |

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

|                             |                                                                 |
|-----------------------------|-----------------------------------------------------------------|
| <b>Notes for the doctor</b> | Effects may be delayed. Keep affected person under observation. |
|-----------------------------|-----------------------------------------------------------------|

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

|                                     |                                                                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b> | Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc. Carbon dioxide (CO <sub>2</sub> ). Water spray, fog or mist. |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

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

|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards</b> | Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Refer to section 10 of this safety data sheet for more information on hazardous decomposition products. Closed containers may rupture when exposed to extreme heat. |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 5.3. Advice for firefighters

|                                               |                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protective actions during firefighting</b> | Move containers from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## **SECTION 6: Accidental release measures**

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

|                             |                                                                               |
|-----------------------------|-------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Wear protective clothing as described in Section 8 of this safety data sheet. |
|-----------------------------|-------------------------------------------------------------------------------|

### 6.2. Environmental precautions

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| <b>Environmental precautions</b> | Do not discharge into drains or watercourses or onto the ground. |
|----------------------------------|------------------------------------------------------------------|

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

|                                |                                                                                                                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for cleaning up</b> | Avoid contact with skin or inhalation of spillage, dust or vapour. Absorb spillage with sand or other inert absorbent. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see Section 13. For personal protection, see Section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Container must be kept tightly closed when not in use. Avoid contact with skin and eyes. Do not reuse empty containers. Do not use in confined spaces without adequate ventilation and/or respirator. Persons susceptible to allergic reactions should not handle this product.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** LGK 5.2 (TRGS 510)

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

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### DIBENZOYL PEROXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

**Ingredient comments** No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Use explosion-proof general and local exhaust ventilation.

##### Eye/face protection

Use approved safety glasses with side shields. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

##### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Butyl rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material.

##### Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

##### Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke. Contaminated clothing should be placed in a closed container for disposal or decontamination. Warn cleaning personnel of any hazardous properties of the product.

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|                               |                                                                                                                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory protection</b> | No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Organic vapour filter. |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### SECTION 9: Physical and Chemical Properties

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

|                                                     |                          |
|-----------------------------------------------------|--------------------------|
| <b>Appearance</b>                                   | Paste.                   |
| <b>Colour</b>                                       | White/off-white.         |
| <b>Odour</b>                                        | No characteristic odour. |
| <b>Odour threshold</b>                              | Not available.           |
| <b>pH</b>                                           | Not available.           |
| <b>Melting point</b>                                | Not available.           |
| <b>Initial boiling point and range</b>              | Not available.           |
| <b>Flash point</b>                                  | > 93°C                   |
| <b>Evaporation rate</b>                             | Not available.           |
| <b>Flammability (solid, gas)</b>                    | Not applicable.          |
| <b>Upper/lower flammability or explosive limits</b> | Not available.           |
| <b>Vapour pressure</b>                              | Not available.           |
| <b>Vapour density</b>                               | Not available.           |
| <b>Relative density</b>                             | 1.2 @ 20°C               |
| <b>Solubility(ies)</b>                              | Insoluble in water.      |
| <b>Partition coefficient</b>                        | Not available.           |
| <b>Auto-ignition temperature</b>                    | Not available.           |
| <b>Decomposition Temperature</b>                    | Not available.           |
| <b>Viscosity</b>                                    | Not available.           |
| <b>Explosive properties</b>                         | Not available.           |
| <b>Oxidising properties</b>                         | Not available.           |

#### 9.2. Other information

|                                  |                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Volatile organic compound</b> | This product contains a maximum VOC content of < 1% . The VOC-value given was calculated according to the guidelines specified in Directive 1999/13/EC. |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

|                   |                                                                     |
|-------------------|---------------------------------------------------------------------|
| <b>Reactivity</b> | There are no known reactivity hazards associated with this product. |
|-------------------|---------------------------------------------------------------------|

#### 10.2. Chemical stability

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| <b>Stability</b> | Stable at normal ambient temperatures and when used as recommended. |
|------------------|---------------------------------------------------------------------|

#### 10.3. Possibility of hazardous reactions

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**Possibility of hazardous reactions** Hazardous polymerisation will not occur under normal conditions.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Amines. Strong acids. Hydroxyl, or active hydrogen compounds. Water, steam, water mixtures.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 51.89952252

**ATE inhalation (dusts/mists mg/l)** 7.07720762

**General information** The present product is a chemical preparation within the meaning of the REACH Regulation 1907/2006/EC. To avoid testing the product in animal experiments the evaluation is made based on toxicological data and content by weight of the individual ingredients according to 1999/45/EC or analogous evaluations of comparable products.

**Inhalation** May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

**Ingestion** Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

**Skin contact** Irritating to skin. May cause sensitisation by skin contact.

**Eye contact** Irritating to eyes.

**Acute and chronic health hazards** The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive individuals.

## SECTION 12: Ecological Information

**Ecotoxicity** Do not empty into drains, soil or bodies of water. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

**Toxicity** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

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### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Due to missing data, not all ingredients could be reviewed on PBT and vPvB criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered. Do not dump into any sewers, on the ground, or into any body of water. Not be to be disposed of together with household waste. Any disposal practice must be in compliance with all local and national laws and regulations. Handle and dispose contaminated packages in the same way as the product itself. Fully cured product residues are generally not regarded as hazardous waste.

**Disposal methods** Empty containers must not be punctured or incinerated because of the risk of an explosion. The product as supplied should be disposed of as hazardous waste according to European Directive 91/689/EEC.

**Waste class** The waste code number applies to actual wastes depending on its origin and not to substances or mixtures as placed on the market. Only the practical application of the user enables the proper allocation. Allocation of the waste code number according to the European Waste Catalogue (Commission Decision 2000/532/EC and 2001/118/EC) should be carried out in agreement with the regional waste disposal company and/or the supervisory authority.

## SECTION 14: Transport information

**General** This product may be shipped as part of 2 component acrylic adhesive kits under UN 3269 POLYESTER RESIN KIT. On the product label only the UN proper shipping name of the International Maritime Code for Dangerous Goods (IMDG) is used.

### 14.1. UN number

|                         |      |
|-------------------------|------|
| <b>UN No. (ADR/RID)</b> | 3108 |
| <b>UN No. (IMDG)</b>    | 3108 |
| <b>UN No. (ICAO)</b>    | 3108 |
| <b>UN No. (ADN)</b>     | 3108 |

### 14.2. UN proper shipping name

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Proper shipping name (ADR/RID)</b> | ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)                                        |
| <b>Proper shipping name (IMDG)</b>    | ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE; EPOXY RESIN (number average MW ≤ 700)) |
| <b>Proper shipping name (ICAO)</b>    | ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)                                        |
| <b>Proper shipping name (ADN)</b>     | ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)                                        |

### 14.3. Transport hazard class(es)

|                      |     |
|----------------------|-----|
| <b>ADR/RID class</b> | 5.2 |
| <b>ADR/RID label</b> | 5.2 |
| <b>IMDG class</b>    | 5.2 |

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ICAO class/division 5.2

ADN class 5.2

### Transport labels



### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-J, S-R

ADR transport category 2

Tunnel restriction code (D)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: Regulatory information

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

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Dangerous Substances Directive 67/548/EEC.  
Dangerous Preparations Directive 1999/45/EC.

**Water hazard classification** WGK 2 (VwVwS 17 May 1999 Annex 4)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**Key literature references and sources for data** Dangerous Properties of Industrial Materials Report, N.Sax et.al. The Merck Index, 11. edition, 1989. Safety Data Sheets, Misc. manufacturers. GESTIS-database on hazardous substances ([www.dguv.de/bgia/gestis-database](http://www.dguv.de/bgia/gestis-database)).

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Issued by** EU Regulatory Compliance Specialist (Product Safety).

**Revision date** 17/06/2015

**Revision** 9

**Supersedes date** 27/05/2015

**SDS number** 13364

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**Risk phrases in full**

R20 Harmful by inhalation.  
R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R7 May cause fire.

**Hazard statements in full**

H241 Heating may cause a fire or explosion.  
H242 Heating may cause a fire.  
H315 Causes skin irritation.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H332 Harmful if inhaled.  
H411 Toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.