



## SAFETY DATA SHEET

### Lokprep 65G

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

##### 1.1. Product identifier

Product name Lokprep 65G

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

Identified uses Sealant.

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

Supplier Vulkan Lokring Rohrverbindungen GmbH & Co.KG  
Heerstra e 66,  
D-44653 Herne  
Deutschland  
Tel: +49 (0) 2325 922-155  
Fax: +49 (0) 2325 51222  
E-mail: info.lok@vulkan.com

##### 1.4. Emergency telephone number

Emergency telephone +49 (0) 2325 922-155

#### SECTION 2: Hazards identification

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

###### Classification

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) Xi;R36/37/38. R43. R52/53.

##### 2.2. Label elements

###### Pictogram



Signal word Warning

Hazard statements  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

## Lokprep 65G

<b>Precautionary statements</b>	<p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves, eye and face protection.</p> <p>P302+P352a IF ON SKIN: Wash with plenty of soap and water</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
<b>Contains</b>	HYDROXYPROPYL METHACRYLATE, METHACRYLIC ACID
<b>Supplementary precautionary statements</b>	<p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/container in accordance with existing Community, National and local regulations.</p>

### 2.3. Other hazards

None under normal conditions.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>HYDROXYPROPYL METHACRYLATE</b>		<b>30-60%</b>
CAS number: 27813-02-1                      EC number: 248-666-3		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Eye Irrit. 2 - H319	Xi;R36. R43.	
Skin Sens. 1 - H317		
<b>POLYPROPYLENE GLYCOL MONOMETHACRYLATE</b>		<b>30-60%</b>
CAS number: 39420-45-6		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Aquatic Chronic 3 - H412	R52/53.	
<b>METHACRYLIC ACID</b>		<b>1-5%</b>
CAS number: 79-41-4                      EC number: 201-204-4		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	C;R35 Xn;R21/22	
Acute Tox. 3 - H311		
Acute Tox. 4 - H332		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		
STOT SE 3 - H335		

## Lokprep 65G

<b>CUMENE HYDROPEROXIDE</b>		<b>&lt;1%</b>
CAS number: 80-15-9		EC number: 201-254-7
<b>Classification</b> Org. Perox. E - H242 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT RE 2 - H373 Aquatic Chronic 2 - H411		<b>Classification (67/548/EEC or 1999/45/EC)</b> O;R7 T;R23 C;R34 Xn;R21/22,R48/20/22 N;R51/53

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

<b>Inhalation</b>	Move the exposed person to fresh air. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. If symptoms develop, obtain medical attention
<b>Eye contact</b>	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>Inhalation</b>	May cause irritation.
<b>Skin contact</b>	Skin irritation. Mild dermatitis, allergic skin rash.
<b>Eye contact</b>	Irritating and may cause redness and pain.

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

<b>Notes for the doctor</b>	No specific recommendations. Treat symptomatically.
-----------------------------	---

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Water.

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

<b>Hazardous combustion products</b>	Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons.
--------------------------------------	--

#### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
--	---

### SECTION 6: Accidental release measures

## Lokprep 65G

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Not considered to be a significant hazard due to the small quantities used. Avoid discharge into drains.

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

**Methods for cleaning up** Absorb spillage with sand or other inert absorbent. Transfer to suitable, labelled containers for disposal.

### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Use in a well ventilated area. Avoid contact with skin and eyes. Avoid eating, drinking and smoking when using the product.

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

**Storage precautions** Store in closed original container at temperatures between 5°C and 25°C. Never return unused material to storage receptacle.

### 7.3. Specific end use(s)

**Specific end use(s)** This product is not recommended for use in joints which will be in contact with either pure oxygen or steam.

**Usage description** Sealant.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### METHACRYLIC ACID

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 40 ppm 143 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**

The following protection should be worn: Chemical splash goggles or face shield. Personal eye protection should conform to EN 166

**Hand protection**

Nitrile rubber or Viton™ gloves are recommended. Gloves should conform to EN 374. 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.

## Lokprep 65G

<b>Other skin and body protection</b>	Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance.
<b>Hygiene measures</b>	Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Use of good industrial hygiene practices is required.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Green.
<b>Odour</b>	Acrylic
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not relevant.
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	>100°C
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapour pressure</b>	<5 mm Hg
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.05
<b>Solubility(ies)</b>	Slightly soluble in water. Miscible with the following materials: Organic solvents.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	≈1000 mPa s @ 23°C Thixotropic
<b>Oxidising properties</b>	Not available.

#### 9.2. Other information

<b>Other information</b>	Not relevant.
--------------------------	---------------

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	The following materials may react with the product: Strong oxidising agents.
-------------------	--

#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
------------------	--

#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	There are no known reactivity hazards associated with this product.
---	---

## Lokprep 65G

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid the absence of air, and metal contamination.

### 10.5. Incompatible materials

**Materials to avoid** Metals and their salts, Reducing agents, Oxidizers, Free radical initiators.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** The toxicological properties of this product have not been fully evaluated. Avoid direct contact with skin or eyes. Do not ingest or inhale.

#### Acute toxicity - oral

#### Acute toxicity - dermal

#### Acute toxicity - inhalation

#### Skin corrosion/irritation

**Animal data** Irritating to skin.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### Skin sensitisation

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

#### Aspiration hazard

**Aspiration hazard** None under normal conditions.

**Inhalation** In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

### Toxicological information on ingredients.

#### HYDROXYPROPYL METHACRYLATE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.1

**Species** Rat

**ATE oral (mg/kg)** 2,000.1

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rabbit

##### Skin corrosion/irritation

**Animal data** Slightly irritating.

## Lokprep 65G

### Serious eye damage/irritation

**Serious eye damage/irritation** Moderately irritating.

### Respiratory sensitisation

**Respiratory sensitisation** There is no evidence that the material can lead to respiratory hypersensitivity.

### Skin sensitisation

**Skin sensitisation** Epidemiological studies have shown evidence of skin sensitisation.

### Germ cell mutagenicity

**Genotoxicity - in vitro** This substance has no evidence of mutagenic properties.

## METHACRYLIC ACID

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,320.0

**Species** Rat

**ATE oral (mg/kg)** 500.0

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 1,000.0

**Species** Rabbit

**ATE dermal (mg/kg)** 1,000.0

### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)** 3.7

**Species** Rat

**ATE inhalation (dusts/mists mg/l)** 1.5

## CUMENE HYDROPEROXIDE

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 382.0

**Species** Rat

**ATE oral (mg/kg)** 500.0

### Acute toxicity - dermal

**ATE dermal (mg/kg)** 1,100.0

### Acute toxicity - inhalation

## Lokprep 65G

ATE inhalation (vapours 3.0  
mg/l)

### Skin corrosion/irritation

Animal data Highly irritating.

### Serious eye damage/irritation

Serious eye damage/irritation Irritating to eyes.

### Skin sensitisation

Skin sensitisation Not sensitising.

## SECTION 12: Ecological Information

**Ecotoxicity** The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

**Toxicity** No data available.

### Ecological information on ingredients.

#### HYDROXYPROPYL METHACRYLATE

**Acute toxicity - fish** LC<sub>50</sub>, 48 hours: 493 mg/l, Leuciscus idus (Golden orfe)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 380 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: > 97.2 mg/l, Pseudokirchneriella subcapitata  
NOEC, 72 hours: 97.2 mg/l, Pseudokirchneriella subcapitata

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 24.1 mg/l, Daphnia magna

#### METHACRYLIC ACID

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 85 mg/l, Onchorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: > 130 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 45 mg/l, Selenastrum capricornutum  
LOEC, 72 hours: 45 mg/l, Selenastrum capricornutum

**Acute toxicity - microorganisms** EC<sub>50</sub>, 17 hours: 270 mg/l, Pseudomonas putida

**Chronic toxicity - fish early life stage** NOEC, 35 days: 10 mg/l, Danio rerio (Zebrafish)

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 53 mg/l, Daphnia magna

#### CUMENE HYDROPEROXIDE



## Lokprep 65G

**Acute toxicity - fish**LC<sub>50</sub>, 96 hour: 3.9 mg/l, Onchorhynchus mykiss (Rainbow trout)**12.2. Persistence and degradability****Persistence and degradability** No data available.**Ecological information on ingredients.****HYDROXYPROPYL METHACRYLATE****Biodegradation**

Water - Degradation 94.2%: 28 days

**METHACRYLIC ACID****Biodegradation**

Water - Degradation 86%: 28 days

**CUMENE HYDROPEROXIDE****Biodegradation**

The substance is readily biodegradable.

**12.3. Bioaccumulative potential****Bioaccumulative potential** No data available on bioaccumulation.**12.4. Mobility in soil****Mobility**

No data available.

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

This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects****Other adverse effects**

None known.

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

Waste disposal should be in accordance with existing Community, National and local regulations Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

**Disposal methods**

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

**Waste class**

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

**SECTION 14: Transport information****General**

The product is not classified as dangerous for carriage.

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

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

## Lokprep 65G

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

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

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Guidance** Workplace Exposure Limits EH40.  
CHIP for everyone HSG228.  
Approved Classification and Labelling Guide (Sixth edition) L131.  
Safety Data Sheets for Substances and Preparations.

**Water hazard classification** WGK 1

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**Revision date** 16/06/2015

**Revision** 2

**Supersedes date** 20/11/2012

## Lokprep 65G

### Risk phrases in full

R21/22 Harmful in contact with skin and if swallowed.  
R23 Toxic by inhalation.  
R34 Causes burns.  
R35 Causes severe burns.  
R36 Irritating to eyes.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R37 Irritating to respiratory system.  
R43 May cause sensitisation by skin contact.  
R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R7 May cause fire.

### Hazard statements in full

H242 Heating may cause a fire.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful 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.