

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Chemical name/ trade name: **Laminating resin LG 700**

UFI: G5QV-Q0KX-D00F-A449

Producer: **GRM Systems s.r.o.**  
Address: **Olomouc, 77900, Technologická 886/28**

Distributor: **GRM Systems s.r.o.**  
Address: **Olomouc, 77900, Technologická 886/28**

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

Intended use: Production of composite materials.

Uses advised against: Other than intended uses.

**1.3 Details of the supplier of the safety data sheet**

Supplier of SDS: GRM Systems s.r.o.  
Address: Olomouc, 77900, Technologická 886/28  
Identification No.: 26916835  
Tel: +420 585 431 734  
www: <http://www.grm-systems.cz/>  
Responsible person for this SDS: [info@grm-systems.cz](mailto:info@grm-systems.cz)

**1.4 Emergency telephone number**

**National Poisons Information Service (NPIS), Royal Infirmary of Edinburgh, Edinburgh EH16 4SA, United Kingdom, Tel.: +44 121 507 4123, 844 892 0111**

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to the EC Regulation No. 1272/2008 (CLP):**

Chronic (long term) aquatic hazard, category 2, H411 Toxic to aquatic life with long lasting effects.

Serious eye damage, category 1, H318 Causes serious eye damage.

Skin corrosion, category 1, H314 Causes severe skin burns and eye damage.

Reproductive toxicity, category 1B, H360 May damage fertility or the unborn child.

Skin sensitisation, category 1, H317 May cause an allergic skin reaction.

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard pictogram(s):



Signal word(s):

DANGER

UFI:

G5QV-Q0KX-D00F-A449

Contain:

reaction product: bisphenol-A-(epichlorhydrin), 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane, 1,6-bis(2,3-epoxypropoxy)hexane

Hazard statement(s):



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H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H360 May damage fertility or the unborn child <state specific effect if known > <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statement(s):

P201 Obtain special instructions before use.  
P260 Do not breathe vapors.  
P264 Wash hands thoroughly with soap after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / protective clothing / eye protection according to the nature of the work being performed.  
P301/330/331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308/313 IF exposed or concerned: Get medical advice/attention.  
P310 Call a physician immediately.  
P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents / container according to the instructions in the safety data sheet section 13.

### Supplemental information:

### 2.3 Other hazards

This product does not contain any substances which are classified as PBT or vPvB in a concentration of 0.1% by weight or higher.  
This product does not contain SVHC in a concentration of 0.1% by weight or higher.  
This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Name of the component	Content (weight %)	CAS EINECS Index N° Reg. Number	Classification according to Regulation (EC) No. 1278/2008 (CLP)	
reaction product: bisphenol-A-(epichlorhydrin)	40-60	25068-38-6 500-033-5 603-074-00-8 01-2119456619-26-0003	Aquatic Chronic 2 Eye Irrit. 2 SCL: C ≥ 5% Skin Irrit. 2 SCL: C ≥ 5% Skin Sens. 1	H411 H319  H315  H317
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	40-60	30499-70-8 608-489-8	Aquatic Chronic 2 Eye Dam. 1 Repr. 1B Skin Corr. 1C	H411 H318 H360 H314
1,6-bis(2,3-epoxypropoxy)hexane	3-10	16096-31-4 618-939-5 01-2119463471-41-0000	Aquatic Chronic 3 Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1	H412 H319 H315 H317

Úplné znění H-vět v oddíle 16.



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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice:

In case of accident or if you feel unwell, seek medical advice immediately (show the safety data sheet or label if possible).

Inhalation:

Pause exposure. Move the affected person to fresh air quickly and for your own safety, do not let him walk! · Depending on the situation, it is recommended to rinse the oral cavity or nose with water · Change the victim if the substance is affected by clothing · Secure the victim against colds · Call an ambulance if necessary · or provide medical treatment due to the need for further monitoring for at least 24 hours.

Skin contact:

Take off contaminated clothing. Wash the affected area with as much lukewarm water as possible. If there is no skin injury, it is advisable to use soap, soap solution or shampoo. Get medical attention if skin irritation persists.

Eye contact:

Immediately flush eyes with running water, keep eyelids open (even by force); if the affected person has contact lenses, remove them immediately. Rinse for at least 10 minutes. Get medical attention if possible.

Ingestion:

Rinse mouth with water and give 2-5 dl of water to drink. Get medical attention for a person with health problems.

Protection of first aiders:

When providing first aid, it is essential to ensure both the rescue and the rescued safety.

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

No data available.

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

Symptomatic treatment.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: Foam, extinguishing powder, CO<sub>2</sub>, water mist.

Unsuitable extinguishing media: Direct water flow - could cause fire to spread.

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

Combustion products and hazardous gases: smoke, carbon monoxide, carbon dioxide.

#### 5.3 Advice for firefighters

Respiratory units exposed to smoke or vapors must be equipped with respiratory and eye protection devices. When using in enclosed areas, an insulating respirator must be used. Containers exposed to fire cool with water mist. Collect extinguishing water separately, and avoid its penetration into the soil and water. Chemical protective clothing (EN 469).

### SECTION 6: Accidental release measures

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

Wear suitable protective clothing, replace contaminated clothing. Avoid contact with skin and eyes, contamination of clothes and shoes. Ensure ventilation of the affected area. All persons who do not participate in rescue operations to a safe distance.

#### 6.2 Environmental precautions

Prevent leakage into the environment, avoid ingress into surface water and sewers, soil and land. In case of leakage into the sewage system or water course, inform immediately its administrator, the police, the fire brigade or the environmental department.

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

In case of leakage, localize and, if possible, absorb / remove mechanically. Residues or smaller amounts sweep / get absorbed into a suitable absorbent (universal sorbent, diatomaceous earth, soil, sand) and place in suitable containers and labeled for disposal transmit in accordance with applicable regulations.

#### 6.4 Reference to other sections



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See section 7, 8 a 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use appropriate PPE. Use only in well-ventilated areas with fresh air intake or with adequate ventilation. Do not eat, drink, smoke. After working, wash your hands. Comply with regulations on health and safety at work.

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

Store in well sealed original containers in dry, cool and well-ventilated areas. Store in a vertical position to prevent leakage and dripping. Keep away from food, feed and medication.

#### 7.3 Specific end use(s)

See section 1.2.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Exposure limits: According to national legislation of target country.

Substance	CAS	Permissible exposure limits (mg/m <sup>3</sup> )	Maximum permissible concentration (mg/m <sup>3</sup> )	Note
No data available.				

Substances with Community Exposure Limits:

Substance	CAS	Limit values (mg/m <sup>3</sup> )		Note
		OEL	STEL	
No data available.				

DNEL:

1,6-bis(2,3-epoxypropoxy)hexane (CAS: 16096-31-4)

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value
<b>Workers</b>				
Inhalation	Long-term (chronic)	systemic	mg/m <sup>3</sup>	10.57
	Short-term (acute)	systemic	mg/m <sup>3</sup>	0.44
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	6
	Short-term (acute)	systemic	mg/kg bw/d	22.6 µg/cm <sup>2</sup>
<b>Consumers</b>				
Inhalation	Long-term (chronic)	systemic	mg/m <sup>3</sup>	5.29
	Short-term (acute)	systemic	mg/m <sup>3</sup>	0.27
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	3
	Short-term (acute)	systemic	mg/kg bw/d	13.6 µg/cm <sup>2</sup>
Oral	Long-term (chronic)	systemic	mg/kg bw/d	1.5

PNEC:

### 1,6-bis(2,3-epoxypropoxy)hexane (CAS: 16096-31-4)

Component of the environment	PNEC	Unit	Value	
Water environment	Freshwater	PNEC water, fresh	mg/L	0.011
	Freshwater, occasional leakage	PNEC water, fresh	mg/L	0.115
	Freshwater sediment	PNEC sed., fresh.	mg/kg sediment dw	0.283
	Seawater	PNEC water, mar.	mg/L	0.001
	Marine sediment	PNEC sed., mar.	mg/kg sediment dw	0.028
Microbiological activity	Wastewater treatment plant	PNEC sew. treat.	mg/L	1
Terrestrial environment / organisms	Soil	PNEC soil	mg/kg soil dw	0.223

DNELs and PNECs values for the other components of the mixture haven't been determined.

### 8.2 Exposure controls

Technical measures:

Technical measures and appropriate work procedures take precedence over personal protective equipment. Observe the usual hygiene principles. Do not eat, drink, smoke. Before breaks and after work wash your hands with warm water and soap.

#### Individual protection measures

Respiratory protection:

If the exposure limits are exceeded, when using dust, fog, aerosol, use a suitable filter (type ABEK -EN 14387+A1 - anti-gas and combined filters, type P -EN 143 - particle filters, type FFP3 / FFP2 - EN 149+A1 - Particle-based half masks; EN 142 - mouth masks).

Hand protection:

Protective working gloves (EN 374). Observe the manufacturer's exact instructions, including the time of use. Replace damaged gloves.

Eye / face protection:

Safety glasses with side-plates or facial shields (EN 166).

Skin protection:

Working clothes (EN ISO 13688) and footwear (EN ISO 20347). Protective clothing against liquid chemicals (EN 14605). Protective clothing against chemicals (EN ISO 14325).

Thermal hazards:

No data available.

Environmental exposure controls:

Avoid unnecessary releases into the environment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Property	Value		Method
Physical state:	Liquid		
Colour:	Colourless		
Odour:	No data available.		
Odour threshold:	No data available.		
pH :	No data available.		
Melting point / freezing point (°C):	No data available.		
Boiling point or initial boiling point and boiling range (°C):	200		
Flash point (°C):	120		
Evaporation rate:	No data available.		
Flammability (gases, liquids and solids):	No data available.		
Lower and upper explosion limit:	No data available.		
Vapour pressure (20 °C):	No data available.		
Vapour pressure (50 °C):	No data available.		
Relative vapour density:	No data available.		
Density and/or relative density (g/cm <sup>3</sup> , 20 °C):	1		

Solubility (20 °C):	No data available.		
Partition coefficient n-octanol/water (log value):	No data available.		
Auto-ignition temperature:	No data available.		
Decomposition temperature:	No data available.		
Kinematic viscosity:	No data available.		
Refractive index (20 °C):	No data available.		
Oxidising properties:	No data available.		
Explosive properties:	No data available.		

### 9.2 Other information

VOC (%): 0  
Dry matter content: No data available.  
Additional information:

#### 9.2.1 Information with regard to physical hazard classes

The product has no physical hazards.

#### 9.2.2 Other safety characteristics:

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not expected under proper conditions of use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Dangerous reactions are not known.

### 10.4 Conditions to avoid

Comply with the handling and storage conditions set out in Section 7.

### 10.5 Incompatible materials

Strong oxidizing agents, strong acids, strong alkalines.

### 10.6 Hazardous decomposition products

Hazardous decomposition products are not known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Individual components

#### 1,6-bis(2,3-epoxypropoxy)hexane (CAS: 16096-31-4)

Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 401, supporting study	3 010 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	2 000 mg/kg bw, NOEL	dermal	rat
OECD 433, key study	0.035 mg/L air (analytical), NOEC	inhalation	rat

Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms
OECD 405, key study	moderately irritating	Eye	rabbit



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Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
key study	irritating	Skin	rabbit

Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
OECD 429, key study	sensitising	Skin	mouse

STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
OECD 408, key study	300 mg/kg bw/day (actual dose received), NOAEL	oral	rat
OECD 412, supporting study	4.04 mg/L air (analytical), NOEL ca. 16 mg/m <sup>3</sup> air, NOAEL	inhalation	rat

Carcinogenicity:

Test type	Results	Exposure	Tested organisms
	No data available.		

Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
OECD 486, key study	negative	oral: unspecified	rat

Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
	No data available.		

Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		

### mixture:

Acute toxicity:

The product does not meet the criteria for classification.

Serious eye damage / irritation:

Causes serious eye damage.

Skin corrosion / irritation:

Causes severe skin burns and eye damage.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

STOT - single exposure:

The product does not meet the criteria for classification.

STOT - repeated exposure:

The product does not meet the criteria for classification.

Carcinogenicity:

The product does not meet the criteria for classification.

Germ cell mutagenicity:

The product does not meet the criteria for classification.

Reproductive toxicity:

May damage fertility or the unborn child .

Aspiration hazard:

The product does not meet the criteria for classification.



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### 11.2 Information on other hazards

#### Endocrine disrupting properties

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

#### Other information:

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

#### reaction product: bisphenol-A-(epichlorhydrin) (CAS: 25068-38-6)

Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish		No data available.	
Acute toxicity to invertebrates		No data available.	
Acute toxicity to aquatic algae		No data available.	
Biotic degradation		Under test conditions no biodegradation observed (100%)	
log Kow / log Pow		3 @ 25 °C	

#### 1,6-bis(2,3-epoxypropoxy)hexane (CAS: 16096-31-4)

Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish	<i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i> )	ca. 30 mg/L, LC50 / 96 h	OECD 203
Acute toxicity to invertebrates	<i>Daphnia magna</i>	ca. 39 - ca. 57 mg/L, EC50 / 48 h	OECD 202
Acute toxicity to aquatic algae		No data available.	

### 12.2 Persistence and degradability

The biodegradability of the component is given in sec. 12.1

### 12.3 Bioaccumulative potential

The value of the partition coefficient of the component is given in sec. 12.1

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This product does not contain any substances which are classified as PBT or vPvB in a concentration of 0.1% by weight or higher.

### 12.6 Endocrine disrupting properties

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

### 12.7 Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Catalogue No. of substance/mixture waste: 08 04 09 Waste adhesives and sealants containing organic solvents or other dangerous substances



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

Waste codes / waste designations according to LoW: 15 01 10 Packaging containing residues of or contaminated by dangerous substances



Recommended procedure for substance/mixture waste disposal:	No data available.
Recommended procedure for packaging disposal:	Empty containers must be disposed of in accordance with the applicable waste legislation. After perfect cleaning, the packaging can be used as a secondary raw material for the same purpose. Recommended way of disposing of recycling, burning in a hazardous waste incinerator or storing hazardous waste.
Physical / chemical properties that may affect waste treatment method:	No data available.
Sewage disposal-relevant information:	Protect against weathering. Prevent leakage of waste into the water / soil / sewage system. In case of leakage, inform the competent authorities.
Other disposal recommendations:	Dispose of in accordance with applicable legislation.

### SECTION 14: Transport information

	Type of transport	Land transport ADR / RID	Sea transport IMDG	Air Transport ICAO / IATA
14.1	UN number or ID number	3082	3082	3082
14.2	UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin), 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin), 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin), 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane)
14.3	Transport hazard class(es)	9	9;P	9
	Classification code	90	-	-
	EmS	-	F-A, S-F	-
	Packaging instructions	P001 / IBC03 / LP01 / R001	P001;LP01 / IBC03 (IBC)	(passanger/cargo) 964 / 964
	Labels	9		
	 			
14.4	Packing group	III	III	III

14.5 Environmental hazards  
 IMDG: No data available.  
 Marine Pollutant

14.6 Special precautions for user  
 No data available.

14.7 Maritime transport in bulk according to IMO instruments  
 Not specified.



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### Other information

Type of transport	Land transport ADR / RID	Sea transport IMDG	Air Transport ICAO / IATA
Limited quantities:	5 L	5 L	Y964
Excepted quantities:	E1	E1	E1
Transport category:	3	-	-
Tunnel restriction code:	(-)	-	-
Segregation group:	-	-	-

## SECTION 15: Regulatory information

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

Regulation (EC) No. 1272/2008 (CLP) on classification, labelling and packaging of substances and mixtures,...  
Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),...  
Applicable national regulations.

### 15.2 Chemical safety assessment

A chemical safety assessment has been performed.

## SECTION 16: Other information

### Complete text of all classifications and hazard classes referred to in SECTION 3

**Hazard class:** Aquatic Chronic 2 - Chronic (long term) aquatic hazard, category 2  
Aquatic Chronic 3 - Chronic (long term) aquatic hazard, category 3  
Eye Dam. 1 - Serious eye damage, category 1  
Eye Irrit. 2 - Eye irritation, category 2  
Repr. 1B - Reproductive toxicity, category 1B  
Skin Corr. 1C - Skin corrosion, category 1C  
Skin Irrit. 2 - Skin irritation, category 2  
Skin Sens. 1 - Skin sensitisation, category 1

**H-statements:** 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.  
H360 May damage fertility or the unborn child <state specific effect if known > <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

### Abbreviations:

ADN Inland waterways  
ADR Accord Dangereuses Route  
CAS Chemical Abstracts Service  
DNEL Derived no-effect level  
EC50 Effect concentration for 50%  
EINECS European Inventory of Existing Commercial Chemical Substances  
IATA International Air Transport Association  
ICAO International Civil Aviation Organization  
IMDG International Maritime Dangerous Goods



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LC50	Lethal concentration for 50%
LD50	Lethal dose for 50%
NOAEL	No observable adverse effect level
NOEC	No observable effect concentration
NOEL	No observable effect level
NPK-P	Maximum permissible concentration
OEL	Occupational Exposure Limit (workplace exposure limit - 8 hours / shift)
PBT	Persistent, bioaccumulative and toxic
PEL	Permissible exposure limits
PNEC	Predicted no-effect concentration
RID	Regulations for the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limits
STEL	Short Term Exposure Limit (short exposure - corresponds to approx. 15 min.)
VOC	Volatile organic substances
vPvB	Very persistent and very bioaccumulative
WGK	Hazard classes for water (Wassergefährdungsklassen)

#### Changes to previous version SDS:

This revision follows the revision: 2.1; 2022-03-28 and complies with Regulations (EC) No. 1907/2006 (REACH) and No. 1272/2008 (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH), as amended. Regulation (EC) No 1272/2008 of the European Parliament and of the Council, as amended. Act No. 350/2011 Coll., On chemical substances and chemical mixtures, as amended. Principles for providing first aid during exposure to chemical substances (Assoc. Prof. Daniela Pelclová, MD, CSc., Alexandr Fuchs, MD, CSc., Miroslava Hornychová, MD, CSc., Zdeňka Trávníčková, MD, CSc., Jiřina Fridrichovská, prom. Chem. ). Data from the manufacturer of the substance / mixture, if available - data from the registration dossier.

Classification was performed by calculation method.

#### Instructions for training:

Workers who come into contact with dangerous substances must be aware of the effects of these substances, how they are treated, and protective measures to the extent necessary.

Furthermore, they must be familiar with the first aid principles, with the necessary sanitation procedures and with the procedures for disaster and accident elimination.

The person handling this chemical product must be familiar with the safety rules and the data given in the safety data sheet.

If a hazardous chemical / mixture is classified as corrosive or toxic, workers should be made aware of the Corrosive / Toxic Chemicals / Mixing Rules.

Persons carrying dangerous substances must be familiar with the ADR / RID accident instructions.

#### Other information:

The above information describes the conditions for safe handling of the product and corresponds to the current knowledge of the manufacturer and serves as instruction for the training of the persons handling the product.

The manufacturer carries guarantee the above-described properties of the product at the recommended use.

The user is responsible for determining the suitability of the product for specific purposes and adapting security measures if such application is contrary to the manufacturer's recommendations.