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

1.1. Product identifier HistoResin M.M.Pulver Further trade names 14702218501 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture plastic 1.3. Details of the supplier of the safety data sheet Company name: Leica Biosystems Nussloch GmbH Street: Heidelberger Str. 17-19 Place: D Nussloch Telephone: +49 (0)6224/143-0 Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de 1.4. Emergency telephone INTERNATIONAL: +49 - (0) 6132 - 84463. GBK GmbH (24h - 7d/w - 365d/a) number:

#### **SECTION 2: Hazards identification**

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

# Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories: Respiratory or skin sensitisation: Skin Sens. 1 Hazard Statements: May cause an allergic skin reaction.

#### 2.2. Label elements

# Hazardous components which must be listed on the label

dibenzoyl peroxide; benzoyl peroxide Dicyclohexyl-phthalate

Signal word:

Pictograms:

Warning GHS07



# Hazard statements

H317

May cause an allergic skin reaction.

#### Precautionary statements

P280Wear protective gloves/protective clothing/eye protection/face protection.P262Do not get in eyes, on skin, or on clothing.

2.3. Other hazards No data available.

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

# 3.2. Mixtures

#### **Chemical characterization**

Preparation based on polymethylmethacrylate.

#### Hazardous components

EC No	Chemical name	Quantity
CAS No		
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
202-327-6	dibenzoyl peroxide; benzoyl peroxide	0 - 5 %
94-36-0		
617-008-00-0	Org. Perox. B, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1; H241 H319 H317 H400	
201-545-9	Dicyclohexyl-phthalate	0 - 5 %
84-61-7		
	Repr. 2, Skin Sens. 1, Aquatic Chronic 3; H361f H317 H412	
01-2119978223-34		

Full text of R, H and EUH phrases: see section 16.

#### **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

#### After contact with skin

Immediately wash with water and soap and rinse thoroughly.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

#### After ingestion

Induce vomiting immediately and call a physician.

#### 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

No data available.

# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

#### Suitable extinguishing media

Foam, carbon dioxide (CO2), dry chemical, water-spray

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

The formation of toxic gases is possible during heating or in case of fire (for example: carbon monoxide and traces of incompletely burned hydrocarbons).

#### 5.3. Advice for firefighters

No specific precautions required.

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

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

# Not required.

6.2. Environmental precautions

No specific precautions required.

# 6.3. Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal.

# 6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8). Information for disposal see section 13.

# SECTION 7: Handling and storage

# 7.1. Precautions for safe handling

### Advice on safe handling

No specific precautions required.

Advice on protection against fire and explosion No specific precautions required.

7.2. Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

No specific precautions required.

Advice on storage compatibility

Not required.

# Further information on storage conditions

Keep in a cool place.

# 7.3. Specific end use(s)

No data available.

# **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
94-36-0	Dibenzoyl peroxide	-	5		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
84-61-7	Dicyclohexyl phthalate	-	5		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

# 8.2. Exposure controls

#### Protective and hygiene measures

Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

# Eye/face protection

Not required.

# Hand protection

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on futher marks of quality and varies from manufacturer to manufacturer.

The exact break through time has to be found out by the manufacturer of the protective gloves.

Chemical safety gloves made of butyl or nitrile rubber of category III according to EN 374.

#### Skin protection

Light protective clothing ..

Respiratory protection

Not required.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state: Colour: Odour:	Powder Various Odourless
pH-Value:	n.a.
Changes in the physical state	
Melting point:	n.d.
Initial boiling point and boiling range:	n.d.
Water solubility:	insoluble

Ignition temperature:

Explosive properties

#### 9.2. Other information

Solid content:

100%

be generated.

400 °C

The product is considered non-explosive; nevertheless explosive vapour/air mixture can

# No data available.

# SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No decomposition if stored and applied as directed.

# 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

#### 10.4. Conditions to avoid

No data available.

#### 10.5. Incompatible materials

No data available.

# 10.6. Hazardous decomposition products

None

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met. dibenzoyl peroxide; benzoyl peroxide CAS-No. 94-36-0 LD50/oral/rat: 5000 mg/kg

Dicyclohexyl-phthalate CAS-No. 84-61-7 LD50/oral/rat: 30000 mg/kg

# Irritation and corrosivity

Based on available data, the classification criteria are not met.

# Sensitising effects

May cause an allergic skin reaction. (dibenzoyl peroxide; benzoyl peroxide), (Dicyclohexyl-phthalate)

### STOT-single exposure

Based on available data, the classification criteria are not met.

#### Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

# Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

# **SECTION 12: Ecological information**

# 12.1. Toxicity

dibenzoyl peroxide; benzoyl peroxide CAS-No. 94-36-0 EC50 (48h) > 2 mg/l(Daphnia magna) EC50 (72h) > 2 mg/l(Algae) EC50 (96h) > 2 mg/l(Fish)

# 12.2. Persistence and degradability

No data available.

# 12.3. Bioaccumulative potential

No data available.

# 12.4. Mobility in soil

No data available.

# 12.5. Results of PBT and vPvB assessment

Not applicable

#### 12.6. Other adverse effects

No data available.

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

# Advice on disposal

Should not be disposed of with household waste. Do not discharge into the drains/surface waters/ground water.

# Waste disposal number of waste from residues/unused products

110198 WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY; wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising); other wastes containing dangerous substances Classified as hazardous waste.

#### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be

taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

# **SECTION 14: Transport information**

# Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN)

# 14.1. UN number:

No hazardous material as defined by the transport regulations.

#### 14.2. UN proper shipping name:

No hazardous material as defined by the transport regulations.

#### 14.3. Transport hazard class(es):

No hazardous material as defined by the transport regulations.

#### 14.4. Packing group:

No hazardous material as defined by the transport regulations.

#### 14.5. Environmental hazards

No hazardous material as defined by the transport regulations.

#### 14.6. Special precautions for user

No hazardous material as defined by the transport regulations.

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

No hazardous material as defined by the transport regulations.

# **SECTION 15: Regulatory information**

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

# EU regulatory information

2004/42/EC (VOC):

0 %

# National regulatory information

Water contaminating class (D):

- - not water contaminating

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

# **SECTION 16: Other information**

#### Changes

Changes in chapter: -

#### Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

DOT = Department of Transportation

TDG = Transport of Dangerous Goods

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

# Relevant H- and EUH-phrases (Number and full text)

H241	Heating may cause a fire or explosion.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

#### **Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)