

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

1.1. Product identifier

HistoResin Activator

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

Use of the substance/mixture

Activator

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:

Oxidising solid: Ox. Sol. 1

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Reproductive toxicity: Repr. 2

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Heating may cause a fire.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of damaging fertility.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

Dibenzoyl peroxide

Dicyclohexyl-phthalate

Signal word:

Danger

Pictograms:

GHS03-GHS07-GHS08-GHS09



Hazard statements

H242	Heating may cause a fire.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H361f	Suspected of damaging fertility.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P220	Keep/Store away from Reducing agents. Acids, alkalies.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P235	Keep cool.
P233	Keep container tightly closed.

HistoResin Activator

10695-0020

P273 Avoid release to the environment.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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	25 - 50 %
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	25 - 50 %
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

Rinse out mouth and give plenty of water to drink.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

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

Take up mechanically.

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

Keep away from heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Advice on storage compatibility

Keep away from acids, bases, heavy metal salts and reducing agents.

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/m ³	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

Avoid contact with the skin and the eyes.

Wash hands before breaks and at the end of workday.

Remove and wash contaminated clothing before re-use.

Eye/face protection

During transferring safety goggles are recommended.

Safety goggles with side protection (EN 166).

Hand protection

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

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further 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.

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:	Powder
Colour:	White
Odour:	faint, characteristic

Changes in the physical state

Melting point:	n.d.	
Initial boiling point and boiling range:	n.d.	
Flash point:	n.a.	
Density:	1,23 g/cm ³	
Water solubility:	insoluble	
Ignition temperature:	380 °C	
Explosive properties	The product is considered non-explosive; nevertheless explosive dust/air mixture can be generated	
Decomposition temperature:	55 °C	SADT
Oxidizing properties	May cause fire.	

9.2. Other information

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

Reactions with amines. Reactions with reducing agents, heavy metals.

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.

Dicyclohexyl-phthalate

CAS-No. 94-36-0

LD50/oral/rat: 5000 mg/kg

LC50/inhalation/rat: 24300 mg/l (4h)

Dibenzoyl peroxide

CAS-No. 84-61-7

LD50/oral/rat: 30000 mg/kg

Irritation and corrosivity

Causes serious eye irritation.

HistoResin Activator

10695-0020

Sensitising effects

May cause an allergic skin reaction. (Dibenzoyl 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

Suspected of damaging fertility. (Dicyclohexyl-phthalate)

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

Dicyclohexyl-phthalate

CAS-No. 94-36-0

EC50 (48h) > 2 mg/l (Daphnia magna)

EC50 (72h) > 2 mg/l (Algae)

LC50 (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)

14.1. UN number:

UN 3106

14.2. UN proper shipping name:

ORGANIC PEROXIDE TYPE D, SOLID (Dibenzoyl peroxide 50%)

14.3. Transport hazard class(es):

5.2

14.4. Packing group:

-

Hazard label:

5.2

HistoResin Activator

10695-0020



Classification code: P1
Limited quantity: 500 g
Transport category: 2
Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number: UN 3106
14.2. UN proper shipping name: ORGANIC PEROXIDE TYPE D, SOLID (Dibenzoyl peroxide 50%)
14.3. Transport hazard class(es): 5.2
14.4. Packing group: -
Hazard label: 5.2



Classification code: P1
Limited quantity: 500 g

Marine transport (IMDG)

14.1. UN number: UN 3106
14.2. UN proper shipping name: ORGANIC PEROXIDE TYPE D, SOLID (Dibenzoyl peroxide 50%)
14.3. Transport hazard class(es): 5.2
14.4. Packing group: -
Hazard label: 5.2



Limited quantity: 500 g
EmS: F-J, S-R

Air transport (ICAO)

14.1. UN number: UN 3106
14.2. UN proper shipping name: ORGANIC PEROXIDE TYPE D, SOLID (Dibenzoyl peroxide 50%)
14.3. Transport hazard class(es): 5.2
14.4. Packing group: -
Hazard label: 5.2



Limited quantity Passenger: Forbidden
IATA-packing instructions - Passenger: 570
IATA-max. quantity - Passenger: 5 kg
IATA-packing instructions - Cargo: 570
IATA-max. quantity - Cargo: 10 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6. Special precautions for user

No specific precautions required.

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

The transport takes place only in approved and appropriate packaging.

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - slightly 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.

H242 Heating may cause a fire.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H361f Suspected of damaging fertility.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

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)

Safety Data Sheet according to Regulation (EC) No 1907/2006

Leica Biosystems Nussloch GmbH

Revision date: 22.07.2015

Revision No: 1,0

HistoResin Activator

10695-0020

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