

## SAFETY DATA SHEET

# RESION MEKP Hardener

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

### 1.1. Product identifier

**Trade name**

RESION MEKP Hardener

**Product no.**

PR91

**Unique formula identifier (UFI)**

RT10-D0UY-8003-KC00

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

**Relevant identified uses of the substance or mixture**

Curing agent for resins

**▼ Uses advised against**

None known.

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

**Company and address**

**Polyestershoppen BV**

Oostbaan 680  
2841 ML Moordrecht  
Netherlands  
+31 85 0220090

**Contact person**

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**E-mail**

info@polyestershoppen.nl

**Revision**

13/12/2023

**SDS Version**

3.0

**Date of previous version**

29/07/2022 (2.0)

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).  
See section 4 "First aid measures".

## SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

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

Self-react. D; H242, Heating may cause a fire.  
Acute Tox. 4; H302, Harmful if swallowed.  
Skin Corr. 1B; H314, Causes severe skin burns and eye damage.  
Eye Dam. 1; H318, Causes serious eye damage.

### 2.2. Label elements

Hazard pictogram(s)



**Signal word**  
Danger

▼ **Hazard statement(s)**

Heating may cause a fire. (H242)  
Harmful if swallowed. (H302)  
Causes severe skin burns and eye damage. (H314)

**Precautionary statement(s)**

**General**

If medical advice is needed, have product container or label at hand. (P101)  
Keep out of reach of children. (P102)

▼ **Prevention**

Do not breathe vapour/mist. (P260)  
Wear face protection/protective gloves. (P280)

**Response**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

**Storage**

Store locked up. (P405)

▼ **Disposal**

Dispose of contents/container in accordance with local regulation (P501)

**Hazardous substances**

Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide hydrogen peroxide solution

▼ **Additional labelling**

UFI: RT10-D0UY-8003-KC00

**2.3. Other hazards**

▼ **Additional warnings**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

**3.1. ▼ Substances**

Not applicable. This product is a mixture.

**3.2. ▼ Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide	CAS No.: 1338-23-4 EC No.: 700-954-4 UK-REACH: Index No.:	25-40%	Self-react. D, H242 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 4, H332	
hydrogen peroxide solution	CAS No.: 7722-84-1 EC No.: 231-765-0 UK-REACH: Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %)	

Eye Irrit. 2, H319 (SCL: 5.00 %)  
Acute Tox. 4, H332  
STOT SE 3, H335 (SCL: 35.00 %)  
Aquatic Chronic 3, H412 (SCL: 63.00 %)

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### ▼ Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### ▼ Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.  
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### ▼ Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### ▼ Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:  
Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.  
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and

nearby surface waters.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Ground and bond container and receiving equipment.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

Dry, cool and well ventilated

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide

Short term exposure limit (15 minutes) (ppm): 0,2

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1,5

hydrogen peroxide solution

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1,4

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Short term exposure limit (15 minutes) (ppm): 2  
Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2,8

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

## ▼ DNEL

hydrogen peroxide solution

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	210 µg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	1,4 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	1.4 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	1.93 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	3,4 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	3 mg/m <sup>3</sup>

Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	1,33 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	2,35 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	7,05 mg/m <sup>3</sup>

## ▼ PNEC

hydrogen peroxide solution

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment	Single	0,047 mg/L
Freshwater sediment	Single	0,047 mg/L
Freshwater sediment		47 µg/kg
Intermittent release	Single	0,0138 mg/L
Intermittent release (freshwater)		13.8 µg/L
Marine water	Single	0,0126 mg/L
Marine water		12.6 µg/L
Marine water sediment	Single	0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant	Single	4,66 mg/L
Sewage treatment plant		4.66 mg/L
Soil	Single	0,0023 mg/L
Soil		2.3 µg/kg

Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	0,0056 mg/L
Freshwater sediment	Single	0,00876 mg/kg
Intermittent release	Single	0,056 mg/L
Marine water	Single	0,00056 mg/K
Marine water sediment	Single	0,00876 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Soil	Single	0,0142 mg/kg
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### 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### ▼ Appropriate technical measures

Ground and bond container and receiving equipment.

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Ensure that eyewash stations and safety showers are located within easy reach.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

### Individual protection measures, such as personal protective equipment

#### Generally

Use only UKCA marked protective equipment.

#### Respiratory Equipment

Type	Class	Colour	Standards
Combination Filter A2B2E2K2	Class 2 (medium capacity)	Brown/Gray/Yellow/Green	EN14387



#### Skin protection

Recommended	Type/Category	Standards
No special when used as intended	-	-

#### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Butyl	0,3	> 480	EN374-2, EN374-3, EN388



#### Eye protection

Type	Standards
Face shield alternatively safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

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

## Physical state

Liquid

## Colour

Colourless

## Odour / Odour threshold

Characteristic

## ▼ pH

Testing not relevant or not possible due to the nature of the product.

## Density (g/cm<sup>3</sup>)

1.1

## Kinematic viscosity

15 mPa.s

## Particle characteristics

Does not apply to liquids.

## Phase changes

### ▼ Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

### ▼ Boiling point (°C)

Testing not relevant or not possible due to the nature of the product.

### ▼ Vapour pressure

Testing not relevant or not possible due to the nature of the product.

### ▼ Relative vapour density

Testing not relevant or not possible due to the nature of the product.

### ▼ Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

## Data on fire and explosion hazards

### Flash point (°C)

>80

### ▼ Flammability (°C)

The material is ignitable.

### ▼ Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

### ▼ Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to the nature of the product.

## Solubility

### Solubility in water

Insoluble

### ▼ n-octanol/water coefficient (LogKow)

Testing not relevant or not possible due to the nature of the product.

### ▼ Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

## 9.2. Other information

### ▼ Other physical and chemical parameters

No data available.

### ▼ Oxidizing properties

Testing not relevant or not possible due to the nature of the product.

## SECTION 10: Stability and reactivity

### 10.1. ▼ Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. ▼ Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid static electricity.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. ▼ Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

## SECTION 11: Toxicological information

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

#### ▼ Acute toxicity

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/L

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Route of exposure:	Inhalation
Test:	LC50 (dust)
Result:	1,5 mg/L

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Route of exposure:	Dermal
Test:	LD50
Result:	2500 mg/kgbw

Product/substance	hydrogen peroxide solution
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1026 mg/kgbw

Product/substance	hydrogen peroxide solution
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (dust)
Result:	0,17 mg/L

Product/substance	hydrogen peroxide solution
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>6500 mg/kg

Harmful if swallowed.

#### ▼ Skin corrosion/irritation

Product/substance	hydrogen peroxide solution
Duration:	No data available.
Result:	Adverse effect observed (Highly corrosive)

Causes severe skin burns and eye damage.

#### ▼ Serious eye damage/irritation

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration:	No data available.
Result:	Adverse effect observed (Highly corrosive)

Product/substance	hydrogen peroxide solution
Duration:	No data available.
Result:	Adverse effect observed (Highly corrosive)

Causes serious eye damage.

#### Respiratory sensitisation

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

#### ▼ Skin sensitisation

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method:	OECD 406
Species:	Guinea pig
Result:	No adverse effect observed (not sensitising)

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

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

### 11.2. Information on other hazards

#### ▼ Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

#### ▼ Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### Other information

hydrogen peroxide solution has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. ▼ Toxicity

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	44,2 mg/L

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Species:	Fish
Duration:	96 hours
Test:	NOEC
Result:	18 mg/L

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Species:	Daphnia
Duration:	48 hours

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test: EC50  
Result: 39 mg/L

Product/substance: Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide  
Species: Daphnia  
Duration: No data available.  
Test: NOEC  
Result: 26,7 mg/L

Product/substance: Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide  
Species: Algae  
Duration: 72 hours  
Test: EC50  
Result: 5,6 mg/L

Product/substance: Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide  
Species: Algae  
Duration: 72 hours  
Test: NOEC  
Result: 2,1 mg/L

Product/substance: Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide  
Species: Bacteria  
Duration: 30 minutes  
Test: EC50  
Result: 48 mg/L

Product/substance: hydrogen peroxide solution  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: 16,4 mg/L

Product/substance: hydrogen peroxide solution  
Species: Daphnia  
Duration: 48 hours  
Test: LC50  
Result: 2,4 mg/L

Product/substance: hydrogen peroxide solution  
Species: Algae  
Duration: 72 hours  
Test: EC50  
Result: 1,38 mg/L

Product/substance: hydrogen peroxide solution  
Species: Algae  
Duration: 72 hours  
Test: NOEC  
Result: 0,63 mg/L

Product/substance: hydrogen peroxide solution  
Species: Daphnia  
Duration: 21 days  
Test: NOEC  
Result: 0,63 mg/L

## 12.2. ▼ Persistence and degradability

Product/substance: Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide  
Biodegradable: Yes  
Test method: OECD 301 D

Product/substance hydrogen peroxide solution  
Biodegradable: Yes

### 12.3. ▼ Bioaccumulative potential

Product/substance Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide  
Potential bioaccumulation: No data available.  
LogKow: <0,3 (25 °C.)  
BCF: No data available.

Product/substance hydrogen peroxide solution  
Potential bioaccumulation: No data available.  
LogKow: -1,57  
BCF: No data available.

### 12.4. ▼ Mobility in soil

No data available.

### 12.5. ▼ Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. ▼ Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. ▼ Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. ▼ Waste treatment methods

Product is covered by the regulations on hazardous waste. (\*)

HP 3 - Flammable

HP 6 - Acute toxicity

HP 8 - Corrosive

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### ▼ EWC code

16 09 03\* Peroxides, for example hydrogen peroxide

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	3105	ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide(s))	Transport hazard class: 5.2 Label: 5.2 Classification code: P1	-	No	Limited quantities: 125 ml Tunnel restriction code: 2 (D) See below for additional information.
IMDG	3105	ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide(s))	Transport hazard class: 5.2 Label: 5.2 Classification code: P1	-	No	Limited quantities: 125 ml EmS: F-J S-R

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
IATA	3105	ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide(s))	Transport hazard class: 5.2 Label: 5.2 Classification code: P1	-	No	See below for additional information.

\* Packing group

\*\* Environmental hazards

#### ▼ Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

#### 14.6. ▼ Special precautions for user

Not applicable.

#### 14.7. ▼ Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 shall not be exposed to this product.

#### ▼ Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

P6b - SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES, Qualifying quantity (lower-tier): 50 tonnes / (upper-tier): 200 tonnes

#### Regulation on explosives precursors

hydrogen peroxide solution (Annex I)

#### ▼ REACH, Annex XVII

RESION MEKP Hardener is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 3).

#### Additional information

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

#### ▼ Sources

The Management of Health and Safety at Work Regulations 1999.

Control of Major Accident Hazards (COMAH) Regulations 2015.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Council Regulation (EC) No 2019/1148 on explosives precursors as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### ▼ Full text of H-phrases as mentioned in section 3

H242, Heating may cause a fire.  
H271, May cause fire or explosion; strong oxidiser.  
H302, Harmful if swallowed.  
H314, Causes severe skin burns and eye damage.  
H315, Causes skin irritation.  
H318, Causes serious eye damage.  
H319, Causes serious eye irritation.  
H332, Harmful if inhaled.  
H335, May cause respiratory irritation.  
H412, Harmful to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### ▼ Additional information

The classification of the substance/mixture in regard to health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the mixture in regard to physical hazards has been based on experimental data.

### ▼ The safety data sheet is validated by

H.A.B.

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

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