

## 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

No special

**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

-

## E-mail

info@polyestershoppen.nl

## Revision

29/07/2022

## SDS Version

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

**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.

Acute Tox. 4; H332, Harmful if inhaled.

**2.2. Label elements**

## Hazard pictogram(s)



#### Signal word

Danger

#### Hazard statement(s)

Harmful if swallowed or if inhaled. (H302+H332)  
 Heating may cause a fire. (H242)  
 Causes severe skin burns and eye damage. (H314)

#### Safety 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 shield/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 to an approved waste disposal plant. (P501)

#### Hazardous substances

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

### 2.3. Other hazards

#### Additional labelling

Not applicable

#### Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

## SECTION 3: Composition/information on ingredients

### ▼ 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. 1B, H314 (SCL: 50.00 %) Skin Corr. 1A, H314 (SCL: 70.00 %) 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 %)

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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 injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. 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 returning 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.

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

### 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.

Avoid inhalation of vapours from spilled material.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

### ▼ 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.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of 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

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

—  
hydrogen peroxide solution  
Long term exposure limit (8 hours) (ppm): 1  
Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1,4  
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		13.8 µg/L

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

(freshwater)		
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
Soil	Single	0,0142 mg/kg

## 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.

### 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



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

## 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 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 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 nature of the product.

#### Vapour pressure

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

#### Relative vapour density

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

#### Decomposition temperature (°C)

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

### Data on fire and explosion hazards

#### ▼ Flash point (°C)

>80

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

**Ignition (°C)**

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

**Auto flammability (°C)**

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

**Lower and upper explosion limit (% v/v)**

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

**Solubility**

**Solubility in water**

Insoluble

**n-octanol/water coefficient**

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

**Solubility in fat (g/L)**

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

**9.2. Other information**

▼ **Other physical and chemical parameters**

No data available

**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**

No special

**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**

The product is not degraded when used as specified in section 1.

**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
Test method	
Species	
Route of exposure	Oral
Test	LD50
Result	500 mg/L
Other information	
Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Species	



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

Route of exposure	Inhalation
Test	LC50 (dust)
Result	1,5 mg/L
Other information	
Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Species	
Route of exposure	Dermal
Test	LD50
Result	2500 mg/kgbw
Other information	
Product/substance	hydrogen peroxide solution
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1026 mg/kgbw
Other information	
Product/substance	hydrogen peroxide solution
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50 (dust)
Result	0,17 mg/L
Other information	
Product/substance	hydrogen peroxide solution
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>6500 mg/kg
Other information	

Harmful if swallowed.  
Harmful if inhaled.

Skin corrosion/irritation

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

Product/substance	hydrogen peroxide solution
Test method	
Species	
Duration	No data available.
Result	Adverse effect observed (Highly corrosive)
Other information	

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
Test method	
Species	
Duration	No data available.
Result	Adverse effect observed (Highly corrosive)
Other information	

Product/substance	hydrogen peroxide solution
Test method	
Species	
Duration	No data available.
Result	Adverse effect observed (Highly corrosive)
Other information	

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)
Other information	

[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](#)

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

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**

No special

**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
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	44,2 mg/L
Other information	
Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	NOEC
Result	18 mg/L
Other information	
Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	39 mg/L

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

Other information	
Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Species	Daphnia
Compartment	
Duration	No data available.
Test	NOEC
Result	26,7 mg/L
Other information	
Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	5,6 mg/L
Other information	
Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	2,1 mg/L
Other information	
Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Species	Bacteria
Compartment	
Duration	30 minutes
Test	EC50
Result	48 mg/L
Other information	
Product/substance	hydrogen peroxide solution

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

Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	16,4 mg/L
Other information	
Product/substance	hydrogen peroxide solution
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	LC50
Result	2,4 mg/L
Other information	
Product/substance	hydrogen peroxide solution
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	1,38 mg/L
Other information	
Product/substance	hydrogen peroxide solution
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	0,63 mg/L
Other information	
Product/substance	hydrogen peroxide solution
Test method	
Species	Daphnia

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

Compartment	
Duration	21 days
Test	NOEC
Result	0,63 mg/L
Other information	

### 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
Result	
Product/substance	hydrogen peroxide solution
Biodegradable	Yes
Test method	
Result	

### 12.3. Bioaccumulative potential

Product/substance	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
Test method	
Potential bioaccumulation	No data available
LogPow	<0,3 (25 °C.)
BCF	No data available
Other information	
Product/substance	hydrogen peroxide solution
Test method	
Potential bioaccumulation	No data available
LogPow	-1,57
BCF	No data available
Other information	

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Endocrine disrupting properties

No special

### 12.7. Other adverse effects

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

No special

## 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

### Specific labelling

Not applicable

### 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))	Class: 5.2 Labels: 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))	Class: 5.2 Labels: 5.2 Classification code: P1	-	No	Limited quantities: 125 ml EmS: F-J S-R See below for additional information.
IATA	3105	ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide(s))	Class: 5.2 Labels: 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 the Dangerous Goods List, 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

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

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)

##### 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

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report



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

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  
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 of 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 substance/mixture in regard of 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.

Country-language: GB-en