

## SAFETY DATA SHEET

## Resion UV Cast 75 hardener

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

**1.1. Product identifier**

## Trade name

Resion UV Cast 75 hardener

## Product no.

EP123

## REACH registration number

01-2119556886-20

## Other means of identification

EC No.: 500-105-6

CAS No.: 39423-51-3

## Unique formula identifier (UFI)

7R20-Y0FA-M00J-U3DQ

**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

## SDS date

2021-08-18

## SDS Version

1.0

**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**

Acute Tox. 4; H302, Harmful if swallowed.

Acute Tox. 4; H312, Harmful in contact with skin.

Eye Dam. 1; H318, Causes serious eye damage.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

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

## 2.2. Label elements

### Hazard pictogram(s)



### Signal word

Danger

### Hazard statement(s)

Harmful if swallowed or in contact with skin. (H302+H312)

Causes serious eye damage. (H318)

Toxic to aquatic life with long lasting effects. (H411)

### 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

Wash hands and exposed skin thoroughly after handling. (P264)

Do not eat, drink or smoke when using this product. (P270)

Wear eye protection / protective gloves. (P280)

#### Response

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

Immediately call a POISON CENTER / doctor. (P310)

#### Storage

-

#### Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

### Hazardous substances

Propylidynetrimehanol, propoxylated, reaction products with ammonia

## 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

### 3.1 Substances

Product/substance	Identifiers	% w/w	Classification	Note
Propylidynetrimehanol, propoxylated, reaction products with ammonia	CAS No.: 39423-51-3 EC No.: 500-105-6 REACH: 01-2119556886-20 Index No.:	95-100%	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318 Aquatic Chronic 2, H411	

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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

No special

## 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

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. 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

Not applicable

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

### 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

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

Avoid direct contact with spilled substances.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

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**

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

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.

**Recommended storage material**

Keep only in original packaging.

**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**

No substances are listed in the national list of substances with an occupational exposure limit.

**DNEL**

No data available

**PNEC**

Product/substance	Propylidynetrimethanol, propoxylated, reaction products with ammonia
PNEC	0,044 mg/L
Route of exposure	Freshwater
Duration of Exposure	Single
Product/substance	Propylidynetrimethanol, propoxylated, reaction products with ammonia
PNEC	0,044 mg/L
Route of exposure	Intermittent release
Duration of Exposure	Single

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

Product/substance	Propylidynetrimehtanol, propoxylated, reaction products with ammonia
PNEC	0,00044 mg/L
Route of exposure	Marine water
Duration of Exposure	Single
Product/substance	Propylidynetrimehtanol, propoxylated, reaction products with ammonia
PNEC	0,002 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	Single
Product/substance	Propylidynetrimehtanol, propoxylated, reaction products with ammonia
PNEC	0,02 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	Single

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

### 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

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

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 CE marked protective equipment.

### Respiratory Equipment

No specific requirements

### Skin protection

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

### Hand protection

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

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388



## Eye protection

Type	Standards
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>)

0.987 (20.00 °C)

#### Kinematic viscosity

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

#### Particle characteristics

Does not apply to liquids.

### Phase changes

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

-20 °C

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

Does not apply to liquids.

#### Boiling point (°C)

>250 °C

#### Vapour pressure

6.82 hPa (20.00 °C)

#### 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)

193.00 °C

#### 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

Soluble

## n-octanol/water coefficient

-0.13

## Solubility in fat (g/L)

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

**9.2. Other information****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**

No special

**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

Harmful if swallowed.

Harmful in contact with skin.

## Skin corrosion/irritation

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

## Serious eye damage/irritation

Causes serious eye damage.

## Respiratory sensitisation

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

## Skin sensitisation

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

## 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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of

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

exposure.

Endocrine disrupting properties

No special

Other information

No special

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance	Propylidynetrimehanol, propoxylated, reaction products with ammonia
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/kg
Other information	
Product/substance	Propylidynetrimehanol, propoxylated, reaction products with ammonia
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	13 mg/L
Other information	
Product/substance	Propylidynetrimehanol, propoxylated, reaction products with ammonia
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	4,4 mg/L
Other information	
Product/substance	Propylidynetrimehanol, propoxylated, reaction products with ammonia
Test method	
Species	Algae
Compartment	



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

Duration	
Test	NOEC
Result	1 mg/L
Other information	

### 12.2. Persistence and degradability

Product/substance	Propylidynetrimethanol, propoxylated, reaction products with ammonia
Biodegradable	No
Test method	
Result	

### 12.3. Bioaccumulative potential

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 considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Endocrine disrupting properties

No special

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid discharge to lakes, streams, sewers, etc.

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

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

07 02 99 Wastes not otherwise specified

#### 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 - 14.4

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

These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 - 4.1.1.8 (ADR, IMDG) / 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA)

#### ADR/RID

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

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (propylidynetrimethanol, propoxylated, reaction products with ammonia)	9	III	3 (-)

#### IMDG

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (propylidynetrimethanol, propoxylated, reaction products with ammonia)	9	III	F-A, S-F

#### MARINE POLLUTANT

Yes

#### IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (propylidynetrimethanol, propoxylated, reaction products with ammonia)	9	III

#### 14.5. Environmental hazards

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

#### 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

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

##### Demands for specific education

No specific requirements

##### SEVESO - Categories / dangerous substances

E2 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 200 tonnes / (upper-tier): 500 tonnes

##### Additional information

Tactile warning.

##### Sources

The Management of Health and Safety at Work Regulations 1999  
 The Health and Safety at Work etc. Act 1974 Regulations 2013.  
 Control of Major Accident Hazards (COMAH) Regulations 2015.  
 Regulation (EU) No 1357/2014 of 18 December 2014 on waste.  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).  
 Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning

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

the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

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

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H318, Causes serious eye damage.

H411, Toxic 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

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

UVCB = Complex hydrocarbon substance

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)

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

**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