

## AirRepair Primer PW-1

Version number: 1.0

Date of compilation: 2020-07-08

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

#### 1.1 Product identifier

Trade name **AirRepair Primer PW-1**  
Registration number (REACH) not relevant (mixture)

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

Relevant identified uses Professional use

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

Polywater Europe BV  
Zuidhaven 9-11 Unit B2  
4761 CR Zevenbergen  
The Netherlands

Telephone: +31 (0)10 2330578  
e-mail: sds@polywater.com  
Website: www.polywater.com

e-mail (competent person) sds@polywater.com

#### 1.4 Emergency telephone number

Emergency information service +31 (0)10 2330578  
This number is only available during the following office hours: Mon-Fri 09:00 - 17:00

Poison centre		
Country	Name	Telephone
United Kingdom	NHS (general public)	non-emergency: 111 or a doctor; emergency: 999

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	2	Flam. Liq. 2	H225
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.4S	skin sensitisation	1	Skin Sens. 1	H317
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	3	STOT SE 3	H336
4.1C	hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of water-courses.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- signal word Danger

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- pictograms

GHS02, GHS07,  
GHS09



- hazard statements

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

- precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

- hazardous ingredients for labelling

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; alpha-pinene and beta-pinene oligomers; Cyclohexane; 2-(2H-benzotriazol-2-yl)-p-cresol

### 2.3 Other hazards

Of no significance.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

The product does not contain any (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits	M-Factors
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	CAS No 64742-49-0  EC No 927-510-4  REACH Reg. No 01- 2119475515 -33-xxxx	75 - < 90	Flam. Liq. 2 / H225 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411	   			









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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits	M-Factors
Cyclohexane	CAS No 110-82-7  EC No 203-806-2  Index No 601-017-00-1  REACH Reg. No 01- 2119463273 -41-xxxx	5 – < 10	Flam. Liq. 2 / H225 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	   	GHS- HC IOELV		
alpha-pinene and beta-pinene oligomers	CAS No 31393-98-3  EC No 608-613-0  REACH Reg. No 01- 2120767482 -48-xxxx	1 – < 2.5	Skin Sens. 1B / H317 Aquatic Chronic 4 / H413				
DIPENTENE POLYMER	CAS No 9003-73-0  EC No 618-374-4	1 – < 2.5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319				
2-(2H-benzotriazol-2-yl)-p-cresol	CAS No 2440-22-4  EC No 219-470-5  REACH Reg. No 01- 2119583811 -34-xxxx	< 1	Skin Sens. 1B / H317 Aquatic Chronic 1 / H410	 			M-factor (acute) = 10.0

### Notes

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)  
IOELV: Substance with a community indicative occupational exposure limit value

### Remarks

For full text of H-phrases: see SECTION 16. All the percentages given are percentages by weight unless stated otherwise.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

#### Following skin contact

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

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### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. If eye irritation persists: Get medical advice/attention.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

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

See section 11: Toxicological information.

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

For specialist advice physicians should contact the poison centre.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Dry extinguishing powder; Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet.

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

Hazardous combustion products

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance. Keep containers cool with water spray.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

## SECTION 6: Accidental release measures

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

Keep away from heat/sparks/open flames/hot surfaces. No smoking. For a spill in a confined space, provide mechanical ventilation to disperse or exhaust vapors. For emergency responders: use respiratory protection: half-face or full-face respirator with filter(s) for organic vapor for spills in a confined space. Chemical goggles are recommended if splashes or contact with eyes is possible. For small spills: normal antistatic work clothes are usually adequate.

### 6.2 Environmental precautions

Avoid release to the environment. If substance has entered a water course or sewer, inform the responsible authority.

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

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. Take precautionary measures against static discharge. No smoking. Avoid breathing vapors or spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use only outdoors or in a well-ventilated area. For industrial or professional use only.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

#### Managing of associated risks

##### - explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool.

##### - flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.

##### - incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

#### Control of effects

#### Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

#### Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

##### - ventilation requirements

Use local and general ventilation.

### 7.3 Specific end use(s)

See technical data sheet on this product for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

Occupational exposure limit values (Workplace Exposure Limits)									
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Notation	Source
EU	cyclohexane	110-82-7	IOELV	200	700				2006/15/EC
GB	cyclohexane	110-82-7	WEL	100	350	300	1,050		EH40/2005

#### Notation

##### STEL

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

##### TWA

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

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### Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	DNEL	2,085 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	DNEL	300 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	DNEL	447 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	chronic - systemic effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	DNEL	149 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	DNEL	149 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Cyclohexane	110-82-7	DNEL	700 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Cyclohexane	110-82-7	DNEL	1,400 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects
Cyclohexane	110-82-7	DNEL	700 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
Cyclohexane	110-82-7	DNEL	1,400 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
Cyclohexane	110-82-7	DNEL	2,016 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Cyclohexane	110-82-7	DNEL	206 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	chronic - systemic effects
Cyclohexane	110-82-7	DNEL	412 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	acute - systemic effects
Cyclohexane	110-82-7	DNEL	206 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	chronic - local effects
Cyclohexane	110-82-7	DNEL	412 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	acute - local effects
Cyclohexane	110-82-7	DNEL	1,186 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Cyclohexane	110-82-7	DNEL	59.4 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
alpha-pinene and beta-pinene oligomers	31393-98-3	DNEL	17.7 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
alpha-pinene and beta-pinene oligomers	31393-98-3	DNEL	5.03 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
alpha-pinene and beta-pinene oligomers	31393-98-3	DNEL	3.13 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	chronic - systemic effects
alpha-pinene and beta-pinene oligomers	31393-98-3	DNEL	1.8 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
alpha-pinene and beta-pinene oligomers	31393-98-3	DNEL	1.8 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects

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Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	DNEL	1 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	DNEL	1 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	DNEL	1 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	DNEL	2.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	DNEL	1.2 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	DNEL	1.2 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Cyclohexane	110-82-7	PNEC	0.207 mg/l	aquatic organisms	freshwater	short-term (single instance)
Cyclohexane	110-82-7	PNEC	0.207 mg/l	aquatic organisms	marine water	short-term (single instance)
Cyclohexane	110-82-7	PNEC	3.24 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Cyclohexane	110-82-7	PNEC	16.68 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Cyclohexane	110-82-7	PNEC	16.68 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Cyclohexane	110-82-7	PNEC	3.38 mg/kg	terrestrial organisms	soil	short-term (single instance)
alpha-pinene and beta-pinene oligomers	31393-98-3	PNEC	1.56 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
alpha-pinene and beta-pinene oligomers	31393-98-3	PNEC	0.156 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
alpha-pinene and beta-pinene oligomers	31393-98-3	PNEC	3.086 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	PNEC	0 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	PNEC	0.136 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	PNEC	0.014 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	PNEC	100 mg/kg	terrestrial organisms	soil	short-term (single instance)

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### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection (EN 166).

Skin protection

Protective clothing (EN 340 & EN ISO 13688).

- hand protection



Wear suitable gloves. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- breakthrough times of the glove material

Use gloves with a minimum breakthrough times of the glove material: >480 minutes (permeation: level 6).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	liquid (slightly viscous)
Colour	light
Odour	mild

#### Other safety parameters

pH (value)	not applicable
Melting point/freezing point	not determined
Initial boiling point and boiling range	62 °C
Flash point	-6 °C (TCC)
Evaporation rate	>2 (n-butyl acetate = 1)
Flammability (solid, gas)	not relevant, (fluid)



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Vapour pressure	not determined
Density	not determined
Vapour density	>1 (air = 1)
Relative density	information on this property is not available
Solubility(ies)	not determined
Partition coefficient	
- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

### 9.2 Other information

Volatiles (weight%): 100%  
VOC Content: not determined

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5 Incompatible materials

Oxidisers.

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification according to GHS (1272/2008/EC, CLP)

##### Acute toxicity

Shall not be classified as acutely toxic.

##### - acute toxicity of components of the mixture

Acute toxicity of components of the mixture					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	inhalation: vapour	LC50	>23.3 mg/l/4h	rat
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	dermal	LD50	>2,800 – 3,100 mg/kg	rat
Cyclohexane	110-82-7	oral	LD50	>5,000 mg/kg	rat
Cyclohexane	110-82-7	inhalation: vapour	LC50	>32,880 mg/m <sup>3</sup> /4h	rat
Cyclohexane	110-82-7	dermal	LD50	>2,000 mg/kg	rabbit
alpha-pinene and beta-pinene oligomers	31393-98-3	oral	LD50	>2,000 mg/kg	rat
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	oral	LD50	10,000 mg/kg	rat
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	inhalation: dust/mist	LC50	>590 mg/m <sup>3</sup> /4h	rat

##### Skin corrosion/irritation

Causes skin irritation.

##### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

##### Respiratory or skin sensitisation

May cause an allergic skin reaction.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

##### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

##### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	LL50	>13.4 mg/l	fish	96 h
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	EL50	12 mg/l	aquatic invertebrates	24 h
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	EC50	0.64 mg/l	aquatic invertebrates	48 h
Cyclohexane	110-82-7	LC50	4.53 mg/l	fish	96 h
Cyclohexane	110-82-7	EC50	0.9 mg/l	aquatic invertebrates	48 h
Cyclohexane	110-82-7	ErC50	9.317 mg/l	algae	72 h
Cyclohexane	110-82-7	NOEC	0.952 mg/l	algae	72 h
alpha-pinene and beta-pinene oligomers	31393-98-3	EL50	>1 mg/l	aquatic invertebrates	48 h
alpha-pinene and beta-pinene oligomers	31393-98-3	NOEC	1 mg/l	aquatic invertebrates	48 h
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	LC50	>0.17 mg/l	fish	96 h
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	EC50	>1,000 mg/l	aquatic invertebrates	24 h
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	ErC50	>82.2 µg/l	algae	72 h
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	NOEC	0.17 mg/l	fish	96 h
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	growth rate (Er-Cx) 10%	58.8 µg/l	algae	72 h
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	growth (EbCx) 10%	<0.167 µg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	EL50	1.6 mg/l	aquatic invertebrates	21 d
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	EC50	0.23 mg/l	aquatic invertebrates	21 d
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	NOEC	0.17 mg/l	aquatic invertebrates	21 d
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	LOEC	0.32 mg/l	aquatic invertebrates	21 d
alpha-pinene and beta-pinene oligomers	31393-98-3	EL50	368.9 µg/l	aquatic invertebrates	21 d
alpha-pinene and beta-pinene oligomers	31393-98-3	EC50	>1,000 mg/l	microorganisms	3 h

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Name of substance	CAS No	Endpoint	Value	Species	Exposure time
alpha-pinene and beta-pinene oligomers	31393-98-3	NOEC	≥1,000 mg/l	microorganisms	3 h
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	EC50	0.015 mg/l	aquatic invertebrates	21 d
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	NOEC	0.013 mg/l	aquatic invertebrates	21 d
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	LOEC	0.041 mg/l	aquatic invertebrates	21 d
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	growth (EbCx) 20%	>100 mg/l	microorganisms	3 h

### 12.2 Persistence and degradability

Degradability of components of the mixture						
Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	oxygen depletion	83 %	16 d		ECHA
Cyclohexane	110-82-7	oxygen depletion	77 %	28 d		ECHA
alpha-pinene and beta-pinene oligomers	31393-98-3	oxygen depletion	4 %	28 d		ECHA
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	carbon dioxide generation	0 %	28 d		ECHA

### 12.3 Bioaccumulative potential

Bioaccumulative potential of components of the mixture				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Cyclohexane	110-82-7	167	3.44 (pH value: 7, 25 °C)	
alpha-pinene and beta-pinene oligomers	31393-98-3		>7.41 - <8.02 (pH value: ~6.5, 30 °C)	
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	123 - 494	4.2 (pH value: 6.3, 25 °C)	

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Other adverse effects

Data are not available.

Endocrine disrupting potential

None of the ingredients are listed.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packages

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks



Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### SECTION 14: Transport information

- |  |   |
|--|---|
| <b>14.1 UN number</b>  | 3175  |
| <b>14.2 UN proper shipping name</b>  | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.                    |
| Technical name (Hazardous ingredients)   | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Cyclohexane |
| <b>14.3 Transport hazard class(es)</b>   |   |
| Class  | 4.1 (flammable solids) (environmentally hazardous)            |
| <b>14.4 Packing group</b>  | II (substance presenting medium danger)                       |
| <b>14.5 Environmental hazards</b>  | hazardous to the aquatic environment                          |
| Environmentally hazardous substance (aquatic environment)                      | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics              |
| <b>14.6 Special precautions for user</b>                                       |   |
| Provisions for dangerous goods (ADR) should be complied within the premises.   |   |
| <b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b> |   |
| No data available.   |   |

#### Information for each of the UN Model Regulations

##### **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)**

UN number	3175
Proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Class	4.1
Classification code	F1
Packing group	II
Danger label(s)	4.1, fish and tree
 	
Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	216, 274, 601, 800(ADN)
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 kg
Transport category (TC)	2

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Tunnel restriction code (TRC)	E
Hazard identification No	40
Emergency Action Code	1Z
<b>International Maritime Dangerous Goods Code (IMDG)</b>	
UN number	3175
Proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Class	4.1
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	II
Danger label(s)	4.1, fish and tree



Special provisions (SP)	216, 274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 kg
EmS	F-A, S-I
Stowage category	B

### International Civil Aviation Organization (ICAO-IATA/DGR)

UN number	3175
Proper shipping name	Solids containing flammable liquid, n.o.s.
Class	4.1
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	II
Danger label(s)	4.1



Special provisions (SP)	A46
Excepted quantities (EQ)	E2
Limited quantities (LQ)	5 kg

## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

#### Restrictions according to REACH, Annex XVII

Name	Name acc. to inventory	Restriction	No
AirRepair Primer PW-1	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	R3	3
Cyclohexane	cyclohexane	R57	57
Cyclohexane	flammable / pyrophoric	R40	40
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	flammable / pyrophoric	R40	40

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### Legend

R3

1. Shall not be used in:
  - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ash-trays,
  - tricks and jokes,
  - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
  - can be used as fuel in decorative oil lamps for supply to the general public, and,
  - present an aspiration hazard and are labelled with R65 or H304,
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
  - (a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage';
  - (b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage';
  - (c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.
7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

R40

1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
  - metallic glitter intended mainly for decoration,
  - artificial snow and frost,
  - 'whoopee' cushions,
  - silly string aerosols,
  - imitation excrement,
  - horns for parties,
  - decorative flakes and foams,
  - artificial cobwebs,
  - stink bombs.
2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
  - 'For professional users only'.
3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).
4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

R57

1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of neoprene-based contact adhesives in concentrations equal to or greater than 0,1 % by weight in package sizes greater than 350 g.
2. Neoprene-based contact adhesives containing cyclohexane and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.
3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that neoprene-based contact adhesives containing cyclohexane in concentrations equal to or greater than 0,1 % by weight that are placed on the market for supply to the general public after 27 December 2010 are visibly, legibly and indelibly marked as follows:
  - This product is not to be used under conditions of poor ventilation.
  - This product is not to be used for carpet laying.'

### List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

### Seveso Directive

2012/18/EU (Seveso III)				
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements		Notes
E2	environmental hazards (hazardous to the aquatic environment, cat. 2)	200	500	57)

### Notation

57) hazardous to the Aquatic Environment in category Chronic 2

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### Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

### Water Framework Directive (WFD)

None of the ingredients are listed.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2006/15/EC	Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid



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Abbr.	Descriptions of used abbreviations
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
IOELV	Indicative occupational exposure limit value
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
LOEC	Lowest Observed Effect Concentration
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

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### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.