

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

### 1.1. Product identifier

Product form : Mixture

Product name : PUW-A

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only

#### 1.2.2. Uses advised against

No additional information available

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

Siddec  
 Industrieweg 10  
 2490 Balen - BELGIE  
 T +32 14 81 50 01  
[safety@sidec.be](mailto:safety@sidec.be) - [www.sidec.eu](http://www.sidec.eu)

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Belgium	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1 H317

Aquatic Chronic 3 H412

Full text of H statements : see section 16

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazardous ingredients :

1,2-benzisothiazol-3(2H)-one; 2-PHENYL-2-HEXENENITRILE

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction.  
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P321 - Specific treatment (see supplemental first aid instruction on this label).

### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-PHENYL-2-HEXENENITRILE	(CAS-No.) 9011-05-6 (EC-No.) 618-464-3	0 – 2	Eye Irrit. 2, H319 Skin Sens. 1, H317
Amines, tallow alkyl, ethoxylated	(CAS-No.) 61791-26-2 (EC-No.) 500-153-8	0,05 – 0,3	Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethoxylated C16-18 Alcohols	(CAS-No.) 68439-49-6	0,05 – 0,3	Aquatic Chronic 1, H410
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6 (REACH-no) 01-2120761540-60	0 – 0,14	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6 (REACH-no) 01-2120761540-60	( 0,05 ≤C < 100) Skin Sens. 1, H317

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Remove contaminated clothes.
First-aid measures after inhalation	: If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Flush with lukewarm water for 15 minutes. Consult an eye specialist.
First-aid measures after ingestion	: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

No additional information available

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO <sub>2</sub> ). Powder. Foam. Water fog.
Unsuitable extinguishing media	: high volume water jet.

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

Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO <sub>2</sub> ). Nitrogen oxides. Hydrogen cyanide.
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### 5.3. Advice for firefighters

Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing.
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## SECTION 6: Accidental release measures

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

General measures	: Ensure adequate ventilation. Keep public away.
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#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent liquid from entering sewers, watercourses, underground or low areas.

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

Methods for cleaning up : Collect spillage. Take up liquid spill into absorbent material, e.g.: sand.

### 6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13. Concerning personal protective equipment to use, see section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Hygiene measures : Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

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

Storage conditions : Store in dry, cool, well-ventilated area. Keep container tightly closed.

Storage temperature :  $\geq 5$

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment : Safety glasses. Gloves.

Hand protection : Chemical resistant gloves (according to European standard EN 374 or equivalent). Recommended materials. fluorinated rubber  $>0,4$  mm. Butyl rubber gloves. nitril rubber  $\geq 0.35$  mm ( $\geq 480$  min) . Time of penetration is to be checked with the glove producer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Eye protection : Wear eye/face protection

Skin and body protection : Complete protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.



## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Colour : white.  
Odour : characteristic.  
Odour threshold : No data available  
pH : 8,69  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : Not applicable  
Freezing point : No data available  
Boiling point :  $> 100$  °C  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : Not applicable  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : No data available  
Density : 1,038 g/cm<sup>3</sup> 24°C  
Solubility : No data available  
Partition coefficient n-octanol/water (Log Pow) : No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: 50 – 190 mPa·s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### PUW-A

LD50 oral rat	> 5000 mg/kg
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#### 2-PHENYL-2-HEXENENITRILE (9011-05-6)

LD50 oral rat	8394 mg/kg
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LD50 dermal rat	> 2100 mg/kg
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#### 1,2-benzisothiazol-3(2H)-one (2634-33-5)

LD50 oral rat	1020 mg/kg (Literature study)
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#### Amines, tallow alkyl, ethoxylated (61791-26-2)

LD50 oral rat	500 mg/kg
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#### Ethoxylated C16-18 Alcohols (68439-49-6)

LD50 oral rat	2000 mg/kg
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Skin corrosion/irritation : Not classified  
pH: 8,69

Serious eye damage/irritation : Not classified  
pH: 8,69

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

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LC50 fish 1	> 100 mg/l
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### 12.2. Persistence and degradability

PUW-A	
Biodegradation	5 %
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Persistence and degradability	Biodegradability in soil: no data available.
Amines, tallow alkyl, ethoxylated (61791-26-2)	
Persistence and degradability	Water : Not biodegradable.
Ethoxylated C16-18 Alcohols (68439-49-6)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	1,78 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

2-PHENYL-2-HEXENENITRILE (9011-05-6)	
Bioaccumulative potential	No bioaccumulation data available.
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
BCF fish 1	1,313 – 3,162 (BCFBAF v3.01, Calculated Value, Fresh Weight)
Partition coefficient n-octanol/water (Log Pow)	1,3 experimental value
Bioaccumulative potential	Low bioaccumulation potential.
Ethoxylated C16-18 Alcohols (68439-49-6)	
Bioaccumulative potential	No bioaccumulation data available.

### 12.4. Mobility in soil

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Ecology - soil	Adsorption in soil.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Ensure all national/local regulations are observed.  
Sewage disposal recommendations : Do not allow into drains or water courses. Comply with local regulations for disposal.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

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### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

Carriage prohibited (ADN) : No

Not subject to ADN : No

#### - Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list  $\geq 0,1\%$  / SCL

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

##### Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No additional information available

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### SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.
H412	Harmful to aquatic life with long lasting effects.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*