



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

**IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER COATING**

Revision date 25-Mar-2026

Supersedes date 22-Apr-2025

Revision Number 4.04

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

### 1.1. Product identifier

Product Name IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER COATING

Pure substance/mixture Mixture

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

Recommended use Sealant

Uses advised against Consumer use

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

#### Company Name

Bostik Limited  
Common Rd  
ST16 3EH  
Stafford UK  
Tel: +44 (1785) 27 26 25  
Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)  
NHS: 111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Skin sensitisation	Category 1 - (H317)
Hazardous to the aquatic environment - chronic	Category 3 - (H412)

### 2.2. Label elements

Contains 1,2-benzisothiazol-3(2H)-one [BIT]; 2-octyl-2H-isothiazol-3-one [OIT]; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]



Signal word

# SAFETY DATA SHEET

IDENTEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

Warning

## Hazard statements

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

## Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing fumes  
P273 - Avoid release to the environment  
P280 - Wear protective gloves and eye/face protection  
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap  
P501 - Dispose of contents/ container to an approved waste disposal plant

## 2.3. Other hazards

Toxic to aquatic life.

## PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Titanium dioxide 13463-67-7	1 - <5	01-2119489379 -17-XXXX	236-675-5	[C]	-	-	-	-
Diethylene glycol monobutyl ether acetate 124-17-4	1 - <2.5	01-2119475110 -51-XXXX	204-685-9	Eye Irrit. 2 (H319)	-	-	-	-
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	0.01 < 0.036	01-2120761540 -60-XXXX	220-120-9 (613-088-00-6)	Acute Tox. 4 (H302) Acute Tox. 2 (H330) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Skin Sens. 1A :: C>=0.036%	1	1	-
Zinc pyrithione 13463-41-7	0.0025 - <0.01	01-2119511196 -46-XXXX	236-671-3 (613-333-00-7)	Acute Tox. 3 (H301) Acute Tox. 2 (H330) Eye Dam. 1 (H318) Repr. 1B (H360D) STOT RE 1 (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	1000	10	-
2-octyl-2H-isothiazol	0.0015 -	No data	247-761-7	Acute Tox. 3 (H301)	Skin Sens.	100	100	-

# SAFETY DATA SHEET

**IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER COATING**  
**Supercedes date** 22-Apr-2025

**Revision date** 25-Mar-2026

**Revision Number** 4.04

-3-one [OIT] 26530-20-1	< 0.0025	available	(613-112-00-5)	Acute Tox. 3 (H311) Acute Tox. 2 (H330) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	1A :: C>=0.0015%			
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] 55965-84-9	0.0015 - < 0.0025	No data available	611-341-5	Acute Tox. 3 (H301) Acute Tox. 2 (H310) Acute Tox. 2 (H330) Skin Corr. 1C (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	Eye Dam. 1 :: C>=0.6% Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Corr. 1C :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.6% Skin Sens. 1A :: C>=0.0015%	100	100	B

*Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes*

*[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring*

Note B - Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

**Full text of H- and EUH-phrases: see section 16**

### **Acute Toxicity Estimate**

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE<sub>mix</sub>) for classifying a mixture based on its components

Chemical name	EC No. (Index No.)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Titanium dioxide	236-675-5	13463-67-7	-	-	-	-	-
Diethylene glycol monobutyl ether acetate	204-685-9	124-17-4	-	-	-	-	-
1,2-benzisothiazol-3(2H)-one [BIT]	220-120-9 (613-088-00-6)	2634-33-5	450	-	=0.21 mg/L (ATE <sub>dust/mist</sub> )	0.21+	0.21+
Zinc pyrithione	236-671-3 (613-333-00-7)	13463-41-7	221+	-	0.14+	0.14+	0.14+
2-octyl-2H-isothiazol-3-one [OIT]	247-761-7 (613-112-00-5)	26530-20-1	125+	311+	0.27+	0.27+	0.27+
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	611-341-5	55965-84-9	66	141	0.17	-	-

# SAFETY DATA SHEET

IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
<b>Skin contact</b>	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
<b>Ingestion</b>	Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

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

<b>Symptoms</b>	Itching. Rashes. Hives.
<b>Effects of Exposure</b>	No information available.

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

<b>Note to doctors</b>	May cause sensitisation in susceptible persons. Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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<b>Unsuitable extinguishing media</b>	No information available.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	Product is or contains a sensitiser. May cause sensitisation by skin contact.
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<b>Hazardous combustion products</b>	Carbon oxides. Hydrogen chloride. Silicon dioxide.
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### 5.3. Advice for firefighters

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal
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# SAFETY DATA SHEET

IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**For emergency responders** Use personal protection recommended in Section 8.

## 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

**Prevention of secondary hazards** Collect water from cleaning tools and reuse it or dispose it in local sewage systems. Do not spill water or dispose cleaning water into the environment.

## 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific use(s)**  
Sealant.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information** Observe technical data sheet.

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

**Exposure Limits** This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

Chemical name	European Union	United Kingdom
Kaolin 1332-58-7	-	TWA: 2 mg/m <sup>3</sup> ; respirable dust STEL: 6 mg/m <sup>3</sup> ; respirable dust
Limestone 1317-65-3	-	TWA: 10 mg/m <sup>3</sup> ; inhalable dust TWA: 4 mg/m <sup>3</sup> ; respirable dust STEL: 30 mg/m <sup>3</sup> ; inhalable dust STEL: 12 mg/m <sup>3</sup> ; respirable dust

# SAFETY DATA SHEET

**IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER COATING**  
**Supercedes date** 22-Apr-2025

**Revision date** 25-Mar-2026

**Revision Number** 4.04

Titanium dioxide 13463-67-7	-	TWA: 10 mg/m <sup>3</sup> ; total inhalable TWA: 4 mg/m <sup>3</sup> ; respirable STEL: 30 mg/m <sup>3</sup> ; total inhalable STEL: 12 mg/m <sup>3</sup> ; respirable
Silica, amorphous 7631-86-9	-	TWA: 6 mg/m <sup>3</sup> ; inhalable dust TWA: 2.4 mg/m <sup>3</sup> ; respirable dust STEL: 18 mg/m <sup>3</sup> ; inhalable dust STEL: 7.2 mg/m <sup>3</sup> ; respirable dust

**Derived No Effect Level (DNEL)** No information available

<b>Derived No Effect Level (DNEL)</b>			
<b>Titanium dioxide (13463-67-7)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	10 mg/m <sup>3</sup>	

<b>Diethylene glycol monobutyl ether acetate (124-17-4)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Systemic health effects Long term	Dermal	100 mg/kg bw/d	

<b>1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	6.81 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	0.966 mg/kg bw/d	

<b>Derived No Effect Level (DNEL)</b>			
<b>Titanium dioxide (13463-67-7)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	700 mg/kg bw/d	

<b>Diethylene glycol monobutyl ether acetate (124-17-4)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Systemic health effects Long term	Dermal	60 mg/kg bw/d	
Consumer Systemic health effects Long term	Oral	7.9 mg/kg bw/d	

<b>1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Inhalation	1.2 mg/m <sup>3</sup>	

# SAFETY DATA SHEET

IDENTEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supercedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

Long term Systemic health effects			
Consumer Long term Systemic health effects	Dermal	0.345 mg/kg bw/d	

**Predicted No Effect Concentration (PNEC)** No information available.

Predicted No Effect Concentration (PNEC)	
Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 mg/l

Diethylene glycol monobutyl ether acetate (124-17-4)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.108 mg/l
Marine water	0.0108 mg/l
Freshwater - intermittent	0.6 mg/l
Sewage treatment plant	100 mg/l
Freshwater sediment	0.8 mg/kg dry weight
Marine sediment	0.08 mg/kg dry weight
Soil	0.29 mg/kg dry weight

1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	4.03 µg/l
Marine water	0.403 µg/l
Sewage treatment plant	1.03 mg/l
Freshwater sediment	49.9 µg/l
Marine sediment	4.99 µg/l
Soil	3 mg/kg dry weight

## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

#### Eye/face protection

Tight sealing safety goggles.

#### Hand protection

Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

#### Skin and body protection

Suitable protective clothing.

**Environmental exposure controls** No information available.

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Liquid
<b>Appearance</b>	Thixotropic Liquid
<b>Colour</b>	White
<b>Odour</b>	No information available.

# SAFETY DATA SHEET

IDENTEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	60 Pa.s	
Water solubility	Miscible in water.	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	1.26	
Bulk density	No data available	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
<b>9.2. Other information</b>		
Solid content (%)	No information available	
VOC content		No data available

## 9.2.1. Information with regards to physical hazard classes

Not applicable

## 9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity No information available.

### 10.2. Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

# SAFETY DATA SHEET

IDENTEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

**Conditions to avoid** None known based on information supplied.

## 10.5. Incompatible materials

**Incompatible materials** None known based on information supplied.

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** None under normal use conditions. Stable under recommended storage conditions.

## **SECTION 11: Toxicological information**

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

#### Information on likely routes of exposure

##### Product Information

<b>Inhalation</b>	Based on available data, the classification criteria are not met.
<b>Eye contact</b>	Based on available data, the classification criteria are not met.
<b>Skin contact</b>	May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).
<b>Ingestion</b>	Based on available data, the classification criteria are not met.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Itching. Rashes. Hives.

#### Acute toxicity

#### Numerical measures of toxicity

The following ATE values have been calculated for the mixture

<b>ATEmix (oral)</b>	>2000 mg/kg
<b>ATEmix (dermal)</b>	>2000 mg/kg
<b>ATEmix (inhalation-gas)</b>	>20000 ppm
<b>ATEmix (inhalation-dust/mist)</b>	>5 mg/L
<b>ATEmix (inhalation-vapour)</b>	>20 mg/L

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide	> 5000 mg/kg ( Rattus ) OECD 425	LD50 > 5000 mg/Kg	= 5.09 mg/L ( Rattus ) 4 h
Diethylene glycol monobutyl ether acetate	=6500 mg/kg (Rattus)	5400 - 5700 mg/kg (Oryctolagus cuniculus)	=72500 mg/m <sup>3</sup> (Rattus) 4 h
1,2-benzisothiazol-3(2H)-one [BIT]	=450 mg/kg (ATE)	LD50 > 2000 mg/kg (Rattus)	-
Zinc pyrithione	=177 mg/kg (Rattus)	>2000 mg/kg (Oryctolagus cuniculus) (EPA OPP 81-2)	4h = 1.03 mg/L (Rattus) 4 h
2-octyl-2H-isothiazol-3-one [OIT]	=125 mg/kg (Rattus)	= 690 mg/kg (Oryctolagus cuniculus)	-

# SAFETY DATA SHEET

IDENTEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

reaction mass of 5-chloro-2-methyl-2H-isothiazol- 1-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	66 mg/kg ( Rat )	LD50 = 8141 mg/kg (Rat) OECD 402	= 0.33 mg/L (Rat) 4h
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## Delayed and immediate effects as well as chronic effects from short and long-term exposure

### Skin corrosion/irritation

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

Titanium dioxide (13463-67-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			Non-irritant

2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			Corrosive

### Serious eye damage/eye irritation

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

Titanium dioxide (13463-67-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	Eye			Non-irritant

2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	Corneal			Eye Damage

### Respiratory or skin sensitisation

May cause an allergic skin reaction.

2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)			
Method	Species	Exposure route	Results
GPMT - Guinea pig maximisation test	Guinea pig	Dermal	Sensitising

### Germ cell mutagenicity

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

### Carcinogenicity

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

Component Information		
Titanium dioxide (13463-67-7)		
Method	Species	Results
Oral	Rat	Not Carcinogenic

# SAFETY DATA SHEET

**IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER COATING**  
**Supersedes date** 22-Apr-2025

**Revision date** 25-Mar-2026

**Revision Number** 4.04

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

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Zinc pyrithione	Repr. 1B

**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

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** Based on available data, the classification criteria are not met.

### 11.2.2. Other information

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-	-		
Diethylene glycol monobutyl ether acetate 124-17-4	-	LC50: 50 - 70mg/L (96h, Brachydanio rerio) LC50: =77mg/L (96h, Pimephales promelas)	-	LC50: =665mg/L (48h, Daphnia magna)		
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	EC50 3Hr 13mg/l (activated sludge) (OECD 209)	LC50 (96hr) 2.15 mg/l Cyprinodon variegatus EPA 540/9-85-006	-	EC50(48hr) 2.94 mg/l (Daphnia Magna) OECD 202	1	1
Zinc pyrithione 13463-41-7	EC50 (72hr) 0.0013 mg/l (Skeletonema costatum) (ISO 10253) 0.051 mg/l (Pseudokirchner	EC50(96hr) 0.0104 mg/l (Brachydanio rerio) (OECD 203)	-	EC50 (48h) =0.038 mg/L Crustaceans (Ilyocypris dentifera)	1000	10

# SAFETY DATA SHEET

IDENTEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

	ella subcapitata) (OECD 201)					
2-octyl-2H-isothiazol-3-one [OIT] 26530-20-1	EC50(72h) = 0.084 mg/L (Scenedesmus subspicatus) (OECD 201)	LC50 (96h) = 0.036 mg/L (Oncorhynchus mykiss) (OECD 203)	-	EC50 (48h) =0.42 mg/L (OECD 202)	100	100
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] 55965-84-9	EC50 (72h) =0.048 mg/L (Pseudokirchner ella subcapitata) (OECD 201)	EC50 (96h) = 0.22 mg/L (Oncorhynchus mykiss) (OECD 211)	-	EC50 (48h) =0.1 mg/L (Daphnia magna) (OECD 202)	100	100

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

Diethylene glycol monobutyl ether acetate (124-17-4)			
Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	28 days	100%	Readily biodegradable

Zinc pyriothione (13463-41-7)			
Method	Exposure time	Value	Results
OECD Test No. 309: Aerobic Mineralization in Surface Water - Simulation Biodegradation Test		biodegradation Half-life	Readily biodegradable 0.5 days

2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)			
Method	Exposure time	Value	Results
OECD Test No. 309: Aerobic Mineralization in Surface Water - Simulation Biodegradation Test		Half-life 0.6-1.4 d	Readily biodegradable

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] (55965-84-9)			
Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	biodegradation	Not readily biodegradable

## 12.3. Bioaccumulative potential

**Bioaccumulation**

### Component Information

Chemical name	Partition coefficient
Diethylene glycol monobutyl ether acetate	1.7
1,2-benzisothiazol-3(2H)-one [BIT]	0.7
Zinc pyriothione	1.21
2-octyl-2H-isothiazol-3-one [OIT]	2.92
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	0.7

## 12.4. Mobility in soil

**Mobility in soil** No information available.

# SAFETY DATA SHEET

IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)

Method	Value	Results
OECD Test No. 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC)	14.13 Koc	
OECD Test No. 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC)	1.15 log Koc	Very mobile

## 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
Titanium dioxide	Not PBT/vPvB
Diethylene glycol monobutyl ether acetate	Not PBT/vPvB
1,2-benzisothiazol-3(2H)-one [BIT]	Not PBT/vPvB
Zinc pyriothione	Not PBT/vPvB
2-octyl-2H-isothiazol-3-one [OIT]	Not PBT/vPvB
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	Not PBT/vPvB

## 12.6. Endocrine disrupting properties Endocrine disrupting properties

**Endocrine disruption for the environment** Based on available data, the classification criteria are not met.

## 12.7. Other adverse effects Other adverse effects

**Other adverse effects** No information available.

**PMT or vPvM properties** Based on available data, the classification criteria are not met.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**Other information** Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

### Land transport (ADR/RID)

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

# SAFETY DATA SHEET

IDENTEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

## IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	NP
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

## Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

## SECTION 15: Regulatory information

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

##### **Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Biocidal Products Regulation (EU) No 528/2012 (BPR)**

Contains a biocide: Contains C(M)IT/MIT (3:1) & BIT.

##### **Export Notification requirements**

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

# SAFETY DATA SHEET

IDENTEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER  
COATING  
Supersedes date 22-Apr-2025

Revision date 25-Mar-2026

Revision Number 4.04

## Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable

## Persistent Organic Pollutants

Not applicable

## REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

Not applicable

## Regulations on drug precursors (EC) No 111/2005 (export) and 273/2004 (internal trade)

This product does not contain any substance(s) on the Drug Precursors list.

## National regulations

### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of any hazard and/or precautionary statements referred to under Sections 2-15

EUH071 - Corrosive to the respiratory tract

H301 - Toxic if swallowed

H302 - Harmful if swallowed

H310 - Fatal in contact with skin

H311 - Toxic in contact with skin

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

H330 - Fatal if inhaled

H360D - May damage the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

#### Notes relating to the identification, classification and labelling of substances

Note B - Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis

#### Legend

TWA

TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling

Ceiling Limit Value

Sk\*

Skin designation

SVHC

Substance(s) of Very High Concern

PBT

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB

Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE

Specific target organ toxicity - Repeated exposure

# SAFETY DATA SHEET

**IDENDEN 30-316 WHITE AQUASHIELD VAPOUR BARRIER COATING**  
**Supersedes date** 22-Apr-2025

**Revision date** 25-Mar-2026

**Revision Number** 4.04

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STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

## Key literature references and sources for data

No information available

**Prepared By** Product Safety & Regulatory Affairs  
**Revision date** 25-Mar-2026

## Indication of changes

**Revision Note** Not applicable.  
**Training Advice** No information available  
**Further information** No information available

**This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)**

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**