

# Ablative Coating

Revision Date: 07/04/21  
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## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product form	Mixture
Trade name:	Ablative Coating
Type of product:	Surface coatings and colourants

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

#### 1.2.1 Relevant identified uses

Main use category	Professional use
Industrial/Professional use spec	For professional use only
Use of the substance/mixture	Coatings and paints, thinners, paint removers

#### 1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet  
ROCKWOOL® Pencoed, Bridgend, CF35 6NY  
Tel: 01656 862621 Fax: 01656 862302  
Email of person responsible: sds@rockwool.com

1.4 Emergency telephone number  
ROCKWOOL® Ltd Customer Support 9am-5pm  
Tel: 01656 862621  
Email: sds@rockwool.com

## 2. Hazards identification

2.1	Classification of the substance or mixture	<p>Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified</p> <p>Adverse physicochemical, human health and environmental effects:</p> <p>To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.</p>
2.2	Label elements	<p>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</p> <p>EUH-statements:</p> <p>EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.</p> <p>EUH210 - Safety data sheet available on request.</p>
2.3	Other hazards	No additional information available

## 3. Composition/information on ingredients

3.1	Substances	Not applicable
3.2	Mixtures	

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium carbonate	(CAS-No.) 471-34-1 (EC-No.) 207-439-9	30-50	Not Classified
Aluminium Hydroxide	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7 (REACH-no) 01-2119529246-39	10-30	Not Classified
Titanium dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (REQACH-no) 01-2119489379-17	1-10	Not Classified

## 4. First-aid measures

4.1	Description of first aid measures	
	Inhalation	Remove person to fresh air and keep comfortable for breathing.
	Skin contact	Wash skin with plenty of water.
	Eye contact	Rinse eyes with water as a precaution.
	Ingestion	Call the National Poison Information Service on 0344 892 0111 or a doctor if you feel unwell.
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	Treat symptomatically

## 5. Firefighting measures

5.1	Extinguishing media	Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.
5.2	Special hazards arising from the substance or mixture	Hazardous decomposition products in case of fire: Toxic fumes may be released.
5.3	Advice for firefighters	Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 6. Accidental release measures

6.1	Personal precautions, protective equipment and emergency procedures	Refer to section 8 of SDS for personal protection details.
6.1.1	For non-emergency personnel	Emergency procedures: Ventilate spillage area.
6.1.2	For emergency responders	Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2	Environmental precautions	Avoid release to the environment.
6.3	Methods and material for containment and cleaning up	Methods for cleaning up: Take up liquid spill into absorbent material. Other information: Dispose of materials or solid residues at an authorized site.
6.4	Reference to other sections	For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

## 7. Handling and storage

7.1	Precautions for safe handling	Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.  Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2	Conditions for safe storage, including any incompatibilities	Storage condition: Store in a well-ventilated place. Keep cool.
7.3	Specific end use(s)	No additional information available

## 8. Exposure controls / personal protection

### 8.1 Control parameters

#### Titanium dioxide (13463-67-7)

##### United Kingdom - Occupational Exposure Limits

Local name	Titanium dioxide
WEL TWA (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> respirable 10 mg/m <sup>3</sup> total inhalable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### Aluminium Hydroxide (21645-51-2)

##### United Kingdom - Occupational Exposure Limits

Local name	Aluminium hydroxide
WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
WEL STEL (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>

#### Calcium carbonate (471-34-1)

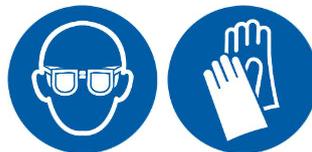
##### United Kingdom - Occupational Exposure Limits

Local name	Calcium carbonate (Limestone, Marble)
WEL TWA (mg/m <sup>3</sup> )	4mg/m <sup>3</sup> respirable 10mg/m <sup>3</sup> total inhalable
WEL STEL (mg/m <sup>3</sup> )	4mg/m <sup>3</sup>
Regulatory reference:	EU40/2005 (Fourth edition, 2020). HSE

### 8.2 Exposure controls

Appropriate engineering controls	Ensure good ventilation of the work station
Personal protective equipment	Gloves
Hand protection	Protective gloves
Eye protection	Safety glasses
Skin and body protection	Wear suitable protective clothing
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



Environmental exposure controls Avoid release to the environment

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	White
Odour	No data available
Odour threshold	No data available
pH	5 – 9
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
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	1.3 – 1.4
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available
9.2 Other information	No additional information available

## 10. Stability and reactivity

10.1	Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4	Conditions to avoid	None under recommended storage and handling conditions (see section 7).
10.5	Incompatible materials	Oxidizing agent. Strong acids.
10.6	Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

#### Titanium dioxide (13463-67-7)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LC50 Inhalation - Rat	Rat > 6.8 mg/l/4h

#### Aluminium Hydroxide (21645-51-2)

LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.3 mg/l

#### Calcium carbonate (471-34-1)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
LC50 Inhalation - Rat	> 3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

Skin corrosion/irritation	Not classified, pH: 5 – 9
Serious eye damage/irritation	Not classified, pH: 5 – 9
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified

#### Aluminium Hydroxide (21645-51-2)

NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified

#### Calcium carbonate (471-34-1)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Aspiration hazard	Not classified

## 12. Ecological information

### 12.1 Toxicity

#### Ecology - general

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

#### Hazardous to the aquatic environment, short-term (acute)

Not classified

#### Hazardous to the aquatic environment, long-term (chronic)

Not classified

#### Not rapidly degradable

### Titanium dioxide (13463-67-7)

LC50 fish 1 > 1000 mg/l

EC50 Daphnia 1 > 1000 mg/l

EC50 72h algae (1) > 61 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

NOEC (chronic) ≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

### Calcium carbonate (471-34-1)

LC50 fish 1 > 10000

EC50 Daphnia 1 > 1000

EC50 72h algae (1) > 200 mg/l

### 12.2 Persistence and degradability

No additional information available

### 12.3 Bioaccumulative potential

### Calcium carbonate (471-34-1)

Partition coefficient n-octanol/water (Log Pow) < 1

### 12.4 Mobility in soil

#### Ablative Coating

#### Ecology - soil

Readily absorbed into soil

### 12.5 Results of PBT and vPvB assessment

No additional information available

### 12.6 Other adverse effects

No additional information available

## 13. Disposal considerations

### 13.1 Waste treatment methods

Regional legislation (waste)

Disposal must be done according to official regulations.

Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

## 14. Transport information

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

	ADR	IMDG	IATA	ADN	RID
14.1 UN number	Not applicable				
14.2 UN proper shipping name	Not applicable				
14.3 Transport hazard class(es)	Not applicable				
14.4 Packing group	Not applicable				
14.5 Environmental hazards	Not applicable				

No supplementary information available

### 14.6 Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## 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

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2 National regulations

No additional information available

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

## Full text of H- and EUH-statements:

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

The classification complies with: ATP 12

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.

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