

## Render Prime

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

#### 1.1. Product identifier

Product name : Render Prime  
 Registration number : Not applicable (mixture) :  
 REACH Product type Mixture  
 REACH

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

##### 1.2.1 Relevant identified uses

Primer

##### 1.2.2 Uses advised against

No uses advised against

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

##### Supplier of the safety data sheet

Intelligent Membranes Ltd.  
 Clopton Farm, Lower Road  
 Croydon, SG8 0EF, United Kingdom  
 ☎ +441223208174  
 info@intelligentmembranes.co.uk

#### 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) :  
 +441223208174

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

#### 2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

##### Supplemental information

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.

#### 2.3. Other hazards

No other hazards known

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark	M-factors and ATE
aluminium hydroxide 21645-51-2 01-2119529246-39 244-492-7		C<25 %		(2)	Cons tuent	

(2) Substance with a Community workplace exposure limit

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

##### After inhalation:

Publication date: 2015-11-10  
 Date of revision: 2021-11-26

Revision number: 0201

# Render Prime

Not applicable.

**After skin contact:**

Not applicable.

**After eye contact:**

Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents without medical advice. Take victim to an ophthalmologist if irritation persists.

**After ingestion:**

Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

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

### 4.2.1 Acute symptoms

**After inhalation:**

No effects known.

**After skin contact:**

No effects known.

**After eye contact:**

No effects known.

**After ingestion:**

No effects known.

### 4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### 5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.  
Major fire: Class B foam (alcohol-resistant), Water spray if puddle cannot expand.

#### 5.1.2 Unsuitable extinguishing media:

Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion.  
Major fire: Water; risk of puddle expansion.

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

Upon combustion: formation of CO and CO2, metal oxides and small quantities of hydrogen chloride.

### 5.3. Advice for firefighters

#### 5.3.1 Instructions:

No specific firefighting instructions required.

#### 5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

## SECTION 6: Accidental release measures

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

No naked flames.

#### 6.1.1 Protective equipment for non-emergency personnel

See section 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing \_\_\_\_\_

See section 8.2

### 6.2. Environmental precautions

Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply.

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

Solid spill: cover with absorbent material. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water.  
Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See section 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1. Precautions for safe handling

Observe strict hygiene. Keep container tightly closed.

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

Reason for revision: 4.1

Publication date: 2015-11-

10 Date of revision: 2021-

11-26

Revision number: 0201

BIG number: 56888

2 / 7

# Render Prime

## 7.2.1 Safe storage requirements:

Storage temperature: 5 °C - 30 °C. Store in a cool area. Meet the legal requirements.

## 7.2.2 Keep away from:

No data available.

## 7.2.3 Suitable packaging material:

Plas cs.

## 7.2.4 Non suitable packaging material:

No data available

## 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

##### Belgium

Aluminium (métal et composés insolubles, fraction alvéolaire)	Time-weighted average exposure limit 8 h	1 mg/m <sup>3</sup>
---	--	---------------------

##### USA (TLV-ACGIH)

Aluminium metal and insoluble compounds	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	1 mg/m <sup>3</sup> (R)
---	--	-------------------------

(R): Respirable fraction

##### b) National biological limit values

If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

Product name	Test Number	
Aluminum & Compounds (as Al)	NIOSH7013	

#### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

#### 8.1.4 Threshold values

##### DNEL/DMEL - Workers

aluminium hydroxide

	Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation		10.76 mg/m <sup>3</sup>	
DMEL	Long-term local effects inhalation		10.76 mg/m <sup>3</sup>	

##### DNEL/DMEL - General population

aluminium hydroxide

	Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects oral		4.74 mg/kg bw/day	

#### 8.1.5 Control banding

If applicable and available it will be listed below.

### 8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

#### 8.2.2 Individual protection measures, such as personal protective equipment

Observe strict hygiene. Do not eat, drink or smoke during work.

##### a) Respiratory protection:

Respiratory protection not required in normal conditions.

##### b) Hand protection:

Gloves.

##### c) Eye protection:

Safety glasses (EN 166).

##### d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

#### 8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13.

## SECTION 9: Physical and chemical properties

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

Physical form	Paste
Viscosity	Viscous
Odour	Mild odour
Odour threshold	No data available (test not performed)

Reason for revision: 4.1

Publication date: 2015-11-

10 Date of revision: 2021-

11-26

Revision number: 0201

BIG number: 56888

3 / 7

# Render Prime

Colour	white
Particle size	Not applicable
Explosion limits	No data available(test not performed)
Flammability	Not classified as flammable
Log Kow	Not applicable(mixture)
Dynamic viscosity	No data available(test not performed)
Kinematic viscosity	No data available(test not performed)
Melting point	No data available(test not performed)
Boiling point	No data available(test not performed)
Relative vapour density	No data available(test not performed)
Vapour pressure	No data available(test not performed)
Solubility	Water ; soluble
Relative density	No data available(test not performed)
Absolute density	No data available(test not performed)
Decomposition temperature	No data available(test not performed)
Auto-ignition temperature	No data available(test not performed)
Flash point	> 100 °C
pH	No data available (test not performed)

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Heang increases the fire hazard.

### 10.2. Chemical stability

No data available.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

Upon combuson: formaon of CO and CO2, metal oxides and small quan es of hydrogen chloride.

## SECTION 11: Toxicological information

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

#### 11.1.1 Test results

##### Acute toxicity

###### Conclusion

Not classified for acute toxicity

##### Corrosion/irritation

###### Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

##### Respiratory or skin sensitisation

###### Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

##### Specific target organ toxicity

###### Conclusion

Not classified for subchronic toxicity

##### Mutagenicity (in vitro)

##### Mutagenicity (in vivo)

###### Conclusion

Not classified for mutagenic or genotoxic toxicity

##### Carcinogenicity

###### Conclusion

Reason for revision: 4.1

Publication date: 2015-11-

10 Date of revision: 2021-

11-26

Revision number: 0201

BIG number: 56888

4 / 7

# Render Prime

Not classified for carcinogenicity

## Reproductive toxicity

### Conclusion

Not classified for reprotoxic or developmental toxicity

## Chronic effects from short and long-term exposure

### Render Prime

Skin rash/inflammation.

## 11.2. Information on other hazards

No evidence of endocrine disrupting properties

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Render Prime

aluminium hydroxide

	Parameter	Method	Value	Duration	Species	Test design water	Fresh/salt	Value determination
Acute toxicity fishes	LC50	US EPA	> 218 mg/l	96 h	Pimephales promelas	Semi-static system	Fresh water	Experimental value of similar product; Aluminium

### Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

### 12.2. Persistence and degradability

#### Water

No test data of component(s) available

### 12.3. Bioaccumulative potential

#### Render Prime

### Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

aluminium hydroxide.

### Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (inorganic)			

### Conclusion

No test data of component(s) available

### 12.4. Mobility in soil

No (test) data on mobility of the component(s) available

### 12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

### 12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

### 12.7. Other adverse effects

#### Render Prime

### Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are a relevant exposure described in annex. Always use the scenarios that correspond to your identified use.

### 13.1. Waste treatment methods

#### 13.1.1 Provisions relating to waste

##### European Union

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. The waste code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned.

#### 13.1.2 Disposal methods

Reason for revision: 4.1

Publication date: 2015-11-

10 Date of revision: 2021-

11-26

Revision number: 0201

BIG number: 56888

5 / 7

# Render Prime

Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment. Dispose of at authorized waste collection point. Any waste water from cleaning machinery on site will be sealed in product containers and returned to Intelligent Membranes for disposal.

## 13.1.3 Packaging/Container

### European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 02 (plastic packaging).

## SECTION 14: Transport information

### Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Hazard identification number		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Environmentally hazardous substance mark		no
14.6. Special precautions for user		
Special provisions		
Limited quantities		
14.7. Maritime transport in bulk according to IMO instruments		
Annex II of MARPOL 73/78		Not applicable, based on available data

## SECTION 15: Regulatory information

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

#### European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
	No data available

#### National legislation The Netherlands

Render Prime

Waterbeveiligingswet (4); Algemene Beoordelingsmethodiek (ABM)

#### National legislation Germany

Render Prime

WGK2; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) – 18. April 2017

aluminiumhydroxide

TA-Luft 5.2.1

#### Other relevant data

Render Prime

No data available

aluminiumhydroxide

TLV - Carcinogen Aluminium metal and insoluble compounds; A2

### 15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

## SECTION 16: Other information

### Full text of any H- and EUH-statements referred to under section 3:

EUH210 Safety data sheet available on request.

EUH208 Contains a sensitising substance. May produce an allergic reaction.

(*)	INTERNAL CLASSIFICATION BY BIG
AOEL	Acceptable daily intake
ADI	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration

Reason for revision: 4.1

Publication date: 2015-11-10

Date of revision: 2021-11-26

Revision number: 0201

BIG number: 56888

6 / 7

# Render Prime

OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.