



SAFETY DATA SHEET

POSEIDON

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

1.1. Product identifier

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

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

1.2.1 Relevant identified uses

Waterproofing coating

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
 ☎+44 1223 208174
 info@intelligentmembranes.co.uk

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German) :
 +44 1223 208174

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

EUH208Contains: 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.

EUH210Safety 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 funcons. Unconscious: maintain adequate airway and respiraon. Respiratory arrest: arificial respiraon or oxygen. Cardiac arrest: perform resuscitaon. Vicm conscious with laboured breathing: half-seated. Vicm in shock: on his back with legs slightly raised. Vomng: prevent asphyxia/aspiraon pneumonia. Prevent cooling by covering the vicm (no warming up). Keep watching the vicm. Give psychological aid. Keep the vicm calm, avoid physical strain. Depending on the vicm's condion: doctor/hospital.

After inhalation:

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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

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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:

Plastics.

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 ³
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USA (TLV-ACGIH)

Aluminium metal and insoluble compounds	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	1 mg/m ³ (R)
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(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 ³			
Long-term local effects inhalation	10.76 mg/m ³			

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 (EN166); not required in case of application with paintroll or brush; required in case of application with airless spray machine.

d) Skin protection:

Protective clothing (EN14605 or EN13034).

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/Liquid
Viscosity	Viscous
Odour	Mild odour
Odour threshold	No data available (test not performed)

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

9.2. Other information

No data available

No data available (test not performed)

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

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Not classified for carcinogenicity

Reproductive toxicity

Conclusion

Not classified for reprotoxic or developmental toxicity

Chronic effects from short and long-term exposure

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Skin rash/inflammation.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

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aluminium hydroxide

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	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

Poseidon

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

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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 attached in annex. Always use the exposure 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

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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

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Waterbezwaarlijkheid B (4); Algemene Beoordelingsmethodiek (ABM)

National legislation Germany

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

aluminium hydroxide

TAL-111-5-9-1

Other relevant data

Poseidon

No data available

aluminium hydroxide

TLV - Carcinogen Aluminium metal and insoluble compounds; A4

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

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OECD	Organisation for Economic Co-operation and
PBT	Development 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

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