SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

WATERPROOF BLUE /WHITE LIQUID DPM BRUSH

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

1.1. Product identifier

Product name :**WATERPROOF BLUE /WHITE LIQUID DPM BRUSH**
Registration number REACH :Not applicable (mixture)
Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Waterproof membrane

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

24h/24h (Telephone advice: English) : +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-2methyl-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

aluminium hydroxide 01-2119529246-39
(2) Substance with a Community workplace exposure limit

3.2. Mixtures

This mixture does not contain any notable substances

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
Aluminium hydroxide 01-2119529246-39	21645-51-2 244-492-7	C<25%		(2)	Constituent

SECTION 4: First aid measures

4.1. Description of first aid measures

General:
Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call emergency services. Treat symptoms starting with the most life threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

After inhalation:
Remove victim into fresh air. Respiratory problems; consult a doctor/ medical service.

After skin contact:
Not Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

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

After ingestion:
Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult poison center.

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, BC powder, class B foam, CO2 extinguishers. 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, CO2 and small quantities of nitrous vapours and sulphur oxides.

5.3. Advice for firefighters

5.3.1 Instructions:
No specific fire-fighting instructions required.
5.3.2 Special protective equipment for fire-fighters:
Gloves (EN 374). Protective clothing (EN 1406 or EN 13034. Heat/fire exposure: compressed air 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 heading 8.2
6.1.2 Protective equipment for emergency responders
Gloves (EN 374). Protective clothing (EN 1406 or EN 13034).
Suitable protective clothing
See heading 8.2

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment aer handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

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

7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe strict hygiene.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:
Storage temperature: 5 °C - 30 °C. Meet the legal requirements.
7.2.2 Keep away from:
Heat sources.

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/m³
USA (TLV-ACGIH)
Aluminium, insoluble compounds Time-weighted average exposure limit 8 h (TLV - Adopted Value) 1 mg/m³ (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) NIOSH 7013
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/m³
Long-term local effects inhalation 10.76 mg/m³
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
8.15 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
Keep away from naked flames/heat. 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 headings 6.2, 6.3 and 13
SECTION 9: Physical and chemical

SECTION 9: Physical and chemical properties

Particle size	Not applicable (mixture)
Explosion limits	No data available
Flammability	Non-flammable
Log kow	Not applicable (mixture)
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	No data available
Solubility	Water ; soluble

Relative density	No data available
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Flash point	>100 °C
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available
Physical form	Paste
Viscosity	Viscous
Odour	Mild odour
Odour threshold	No data available (Test not performed)

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases fire hazard.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures
Keep away from naked flames/heat.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

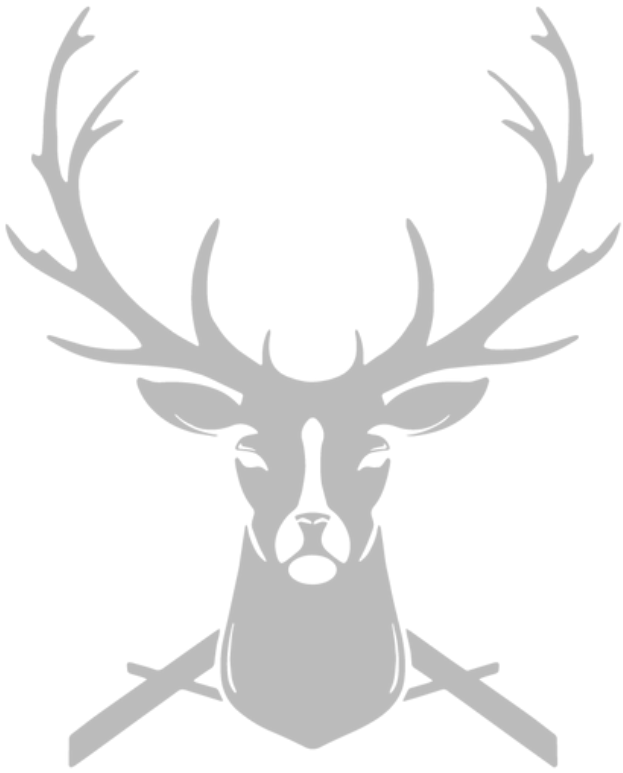
Upon combustion: formation of CO, CO2, metal oxides and small quantities of hydrogen chloride

SECTION 11: Toxicological information

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

11.1. Information on toxicological effects
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 sub chronic toxicity
Mutagenicity (in vitro)
Mutagenicity (in vitro)
Conclusion
Not classified for mutagenic or genotoxic toxicity

Conclusion
Not classified for carcinogenicity
Reproductive toxicity
Conclusion
Not classified for reprotoxic or developmental toxicity
Chronic effects from short and long-term exposure
Waterproof Blue Liquid DPM
Skin rash/inflammation.



SECTION 12: Ecological information

12.1. Toxicity

WATERPROOF BLUE/WHITE LIQUID DPM BRUSH
aluminium hydroxide

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	US EPA	>218 mg/I	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

No test data of component(s) available

12.3. Bioaccumulative potential

WATERPROOF BLUE/WHITE LIQUID DPM BRUSH

Conclusion
No test data of component(s) available

12.4. Mobility in soil

No test data of 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 Regulaon(EC)No1907/2006.

12.6. Other adverse effects

WATERPROOF BLUE/WHITE LIQUID DPM BRUSH
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)No1005/2009)

12.7. Endocrine disrupting properties

No evidence of endocrine disrupting properties

SECTION 13: Disposal considerations

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 idenfied use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste
European Union
Can be considered as non hazardous waste according to Direcve2008/98/EC, as amended by Regulation(EU)No1357/2014and Regulaon (EU)No2017/997.The waste code must be assigned by the user, preferably in consultation with the(environmental) authorities concerned.

13.1.2 Disposal methods
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 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. Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable, based on available data
Annex II of MARPOL 73/78	

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
No data available

REACH Annex XVII - Restriction
Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

National legislation The Netherlands
WATERPROOF BLUE/WHITE LIQUID DPM BRUSH
Waterbezwaarlijkheid B (4); Algemene Beoordelingsmethodiek (ABM)

National legislation Germany
WATERPROOF BLUE/WHITE LIQUID DPM BRUSH
WGK 2; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017
aluminium hydroxide
TA-Luft 5.2.1
Other relevant data
WATERPROOF BLUE/WHITE LIQUID DPM BRUSH
No data available
aluminium hydroxide
TLV - Carcinogen Aluminium, insoluble compounds; A4

15.2. Chemical safety assessment
No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full test of any H- an 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
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
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
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

WATERPROOF BLUE/WHITE LIQUID DPM BRUSH

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 me. 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 me to me. 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 exhausveness 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.