

SAFETY DATA SHEET

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

INTELLIGENT PROTECT

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

1.1. Product identifier

Product name : INTELLIGENT PROTECT
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

Peelable protection film

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: 1,2-benzisothiazol-3(2H)-one. 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

(1) For H-statements in full: see heading 16

3.2. Mixtures

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
aminofunctional silicone	102782-92-3	C<2.5%	Skin Irrit. 2; H315	(1)(10)	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:

Move victim into the fresh air. In case of respiratory problems, consult a doctor/medical advice.

After skin contact:

If possible, wipe up/dry remove chemical. Then rinse/shower immediately with lukewarm water. If irritation persists, consult a doctor/medical advice.

After eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

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.

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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:

Water spray. Polyvalent foam. BC powder

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

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 . Protective clothing. Heat/fire exposure: compressed air apparatus.

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. Protective clothing.

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 identified use.

7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe strict hygiene. Finely divided: spark and explosionproof appliances. Finely divided: Keep away from ignition sources/sparks. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: 5 °C - 35 °C. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources.



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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.

b) National biological limit values

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

8.1.2 Sampling methods

If applicable and available it will be listed below.

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 DNEL/PNEC values

If applicable and available it will be listed below.

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

Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. 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. Keep container tightly closed. Do not eat, drink or smoke during work. Following new legislation 2020/878.

a) Respiratory protection:

Respiratory protection not required in normal conditions.

b) Hand protection:

Gloves.

c) Eye protection:

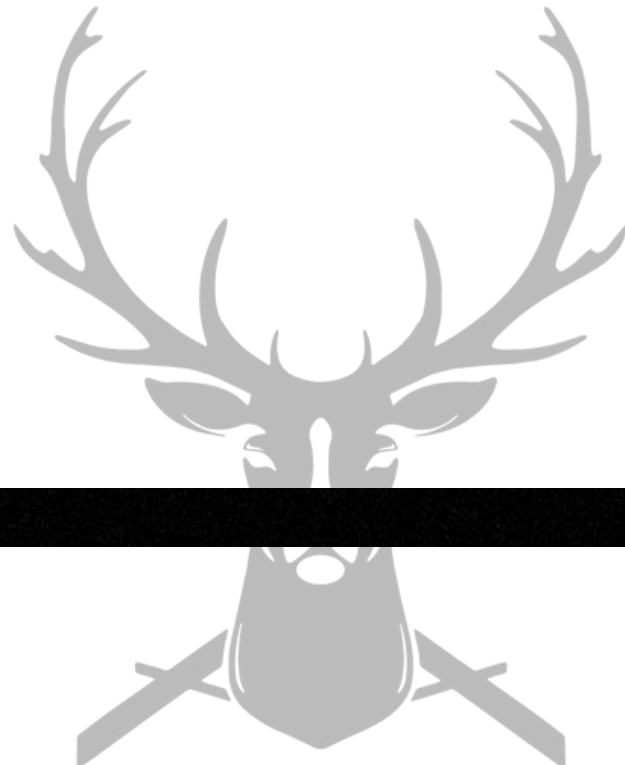
Face shield.

d) Skin protection:

Protective clothing. (EN 166) or (EN 13034)

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Liquid
Odour	Odourless
Odour threshold	No data available
Colour	White
Particle size	Not applicable (liquid)

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Explosion limits	No data available
Flammability	Non-flammable
Log Kow	Not applicable (mixture)
Dynamic viscosity	10000 mPa.s ; 40 °C
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Relative vapour density Vapour pressure	No data available
Solubility	water ; miscible
Relative density	1.0
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	9

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating 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

Precautionary measures

Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Upon combustion: formation of CO, CO₂ and small quantities of nitrous vapours and sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

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No (test) data on the mixture available

Conclusion

Not classified for acute toxicity

Corrosion/irritation

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No (test) data on the mixture available

aminofunctional silicone

Route of exposure Result

Skin Irritating; category

2

Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system



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Respiratory or skin sensitisation

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No (test)data on the mixture available

Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

Specific target organ toxicity

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No (test)data on the mixture available

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

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No (test)data on the mixture available

Mutagenicity (in vitro)

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No (test)data on the mixture available

Carcinogenicity

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No (test)data on the mixture available

Reproductive toxicity

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No (test)data on the mixture available

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

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No (test)data on the mixture available

Chronic effects from short and long-term exposure

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ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.

SECTION 12: Ecological information

12.1. Toxicity

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No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

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

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Low kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

Conclusion

No test data of component(s) available

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12.4. Mobility in soil

No test data on mobility of the components 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. Other adverse effects

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Global warming potential (GWP)

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 attached in annex. Always use the relevant 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

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)

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

Rail (RID)

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



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Inland waterways (ADN)

14.1. UN number
Transport Not subject
14.2. UN proper shipping name
14.3. Transport hazard class(es)
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

Sea (IMDG/IMSBC)

14.1. UN number
Transport Not subject
14.2. UN proper shipping name
14.3. Transport hazard class(es)
Class
14.4. Packing group
Packing group
Labels
14.5. Environmental hazards
Marine pollutant
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
Annex II of MARPOL 73/78

Air (ICAO-TI/IATA-DGR)

14.1. UN number
Transport Not subject
14.2. UN proper shipping name
14.3. Transport hazard class(es)
Class
14.4. Packing group
Packing group
Labels
14.5. Environmental hazards
Environmentally hazardous substance mark No
14.6. Special precautions for user
Special provisions
Passenger and cargo transport: limited quantities: maximum net quantity per packaging



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

Maximum value	EC Limit value	Category	Subcategory	Notation
0 g/l/40 g/l		IIA	c: Exterior walls of mineral	2004/42/IIA(c)(40)0 substrate

REACH Annex XVII - Restriction

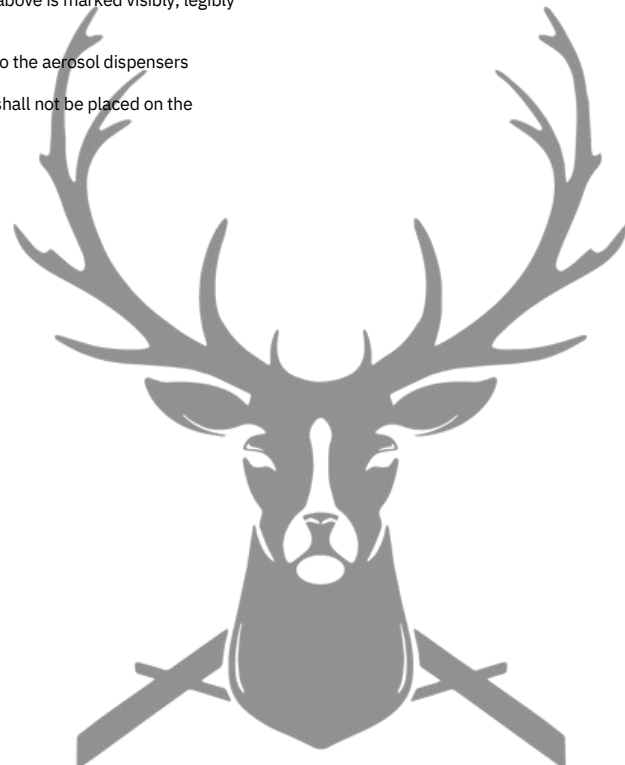
Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

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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.

· trimethoxyvinylsilane · (trimethoxysilyl)propylamine · (trimethoxysilyl)propyl)	3- N-(3-	Designation of the substance, of the group of substances or of the mixture Conditions of restriction 1. Shall not be used in: (a) hazardous mixtures fulfilling the criteria for any of the following hazard classes— ornamental articles intended to produce light or colour effects by means of different topologies, for example in ornamental lamps and ashtrays,
ethylenediamine		Regulation (EC) No 1272/2008:— tricks and jokes, (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8— games for one or more participants, or any article intended to be used as such, even with types A and B, 2.9, 2.10, 2.12, 2.13 categories ornamental aspects, 1 and 2, 2.14 categories 1 and 2, 2.15 types A2. Articles not complying with paragraph 1 shall not be placed on the market. to F;3. Shall not be placed on the market if they contain a colouring agent, unless required for (b) hazard classes 3.1 to 3.6, 3.7 adverse fiscal reasons, or perfume, or both, if they: effects on sexual function and fertility or on— can be used as fuel in decorative oil lamps for supply to the general public, and, development, 3.8 effects other than narcotic— present an aspiration hazard and are labelled with H304, effects, 3.9 and 3.10;4. Decorative oil lamps for supply to the general public shall not be placed on the market (c) hazard class 4.1;unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted (d) hazard class 5.1.by the European Committee for Standardisation (CEN). 5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children”; and, by 1 December 2010, “Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life- threatening lung damage”; b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: “Just a sip of grill lighter may lead to life threatening lung damage”; c) lamp oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
trimethoxyvinylsilane		Substances classified as flammable gases1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol category 1 or 2, flammable liquids categories dispensers are intended for supply to the general public for entertainment and decorative 1, 2 or 3, flammable solids category 1 or 2, purposes such as the following: substances and mixtures which, in contact— metallic glitter intended mainly for decoration, with water, emit flammable gases, category 1,— artificial snow and frost, 2 or 3, pyrophoric liquids category 1 or— “whoopie” cushions, pyrophoric solids category 1, regardless of— silly string aerosols, whether they appear in Part 3 of Annex VI to— imitation excrement, that Regulation or not.— horns for parties, — decorative flakes and foams, — artificial cobwebs, — stink bombs. 2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: “For professional users only”. 3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC. 4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.



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National legislation The Netherlands

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Waste identification (theLWCA (the Netherlands): KGA category 03
Netherlands)

Waterbezwaarlijkheid 11

National legislation Germany

INTELLIGENT PROTECT

WGK

National legislation

France

INTELLIGENT PROTECT

No data available

National legislation

Belgium

INTELLIGENT PROTECT

No data available

Other relevant data

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No data available

15.2. Chemical safety assessment

No chemical safety assessment is required.

SECTION 16: Other information

Full text of any H-statements referred to under headings 2 and 3:

H315 Causes skin irritation.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)



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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.

