

In accordance with 1907/2006 Annex II (2015/830) and 1272/2008. (All references to EU regulations and directives are abbreviated into only the numeric term). Issued 2017-05-16.
Replaces issued SDS 2015-06-30. Version number 3.0

SECTION 1: Identification of the Substance/ Mixture and of the Company Undertaking

1.1. Product identifier

Trade name **iPASSIVE FR Wrap**

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

Identified uses Graphite used in passive fire protection

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

Company **iPASSIVE Fire, B:Hive Building,
Smales Farm, 74 Taharoto Rd,
Takapuna, Auckland 0622**

Telephone **+64 9 869 5150**

E-mail **info@passivefire.com**

Website **ipassivefire.com**

1.4. Emergency telephone number

Acute cases: Call 09 869 5150, request poison information.

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Upon assessment, FR Wrap are not classified as hazardous according to 1272/2008.

2.2. Label elements

Label information in accordance with 1272/2008

Hazard pictograms Not applicable

Signal words Not applicable

Hazard statements Not applicable

2.3. Other hazards

Not relevant.

SECTION 3: Composition / Information on Ingredients

3.2. Mixtures

This product is composed of an outer polyethylene sleeve which contains a graphite based intumescent strip.

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complement used in the calculation of the hazards of this mixture, c.f. Section 16b.

Also contains component(s) not necessary to label.

SECTION 4: First Aid Measures

4.1. Description of first aid measures

Upon breathing in

Not applicable.

Upon eye contact

Not applicable.

Upon skin contact

Not applicable.

Upon ingestion

Not applicable.

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

Not applicable.

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

Not applicable.

SECTION 5: Fire-fighting Measures

5.1. Extinguishing media

Extinguish with materials intended for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Not applicable.

6.2. Environmental precautions

Not applicable.

6.3. Methods and material for containment and cleaning up

Carefully collect the material for combustion.

6.4. Reference to other sections

Not applicable.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

None.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and dry place (above freezing temperature and not greater than 30°C).

Store only in the original package.

7.3. Specific end uses

Not relevant.

SECTION 8: Exposure Controls / Personal Protection

8.1. Control parameters

8.1.1. National limit values

All ingredients (cf. Section 3) lack occupational exposure limit values.

8.2. Exposure controls

In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.

Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions or microbiological risks. Very sensitive persons can use gloves labelled "Low Chemical resistant" or "Waterproof" or with the pictogram indicated here.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

a. Appearance	Form: Plastic strip / bag Colour: As supplied
b. Odour	Characteristic
c. Odour threshold	Not applicable
d. pH	Not applicable
e. Melting point/freezing point	Not applicable
f. Initial boiling point and boiling range	Not applicable
g. Flash point	Not applicable
h. Evaporation rate	Not applicable
i. Flammability (solid, gas)	Not applicable
j. Upper/lower flammability or explosive limits	Not applicable
k. Vapour pressure	Not applicable
l. Vapour density	Not applicable
m. Relative density	Not applicable
n. Solubility	Insoluble in water
o. Partition coefficient: n-octanol/water	Not applicable
p. Auto-ignition temperature	Not applicable
q. Decomposition temperature	Not applicable
r. Viscosity	Not applicable
s. Explosive properties	Not applicable
t. Oxidising properties	Not applicable

9.2. Other information

Material intumesces at approximately 200C.

SECTION 10: Stability and Reactivity

10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability

The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Not indicated.

10.5. Incompatible materials

Not indicated.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

General or unspecific toxicity

The product is not classified as toxic.

Acute effects

Not classified as an acutely toxic substance.

Harmfulness

The product is not classified as harmful to health.

Repeated dose toxicity

To the best of our knowledge, no chronic effects have been reported for this product.

Carcinogenicity

To the best of our knowledge, no carcinogenic effects have been reported for this product.

CMR effects

To the best of our knowledge, no mutagenic or otherwise genetic or reproductive toxic effects have been reported for this product.

Sensibilisation

Hypersensitive reactions cannot be ruled out for persons who are overtly sensitive.

Corrosive and irritating effects

The product is not corrosive. Minor irritation cannot be ruled out for persons who are prone/susceptible.

Synergism and antagonism

To the best of our knowledge, no synergistic effects have been reported for this product or any of its ingredients.

Effect on judgement and other psychological effects

To the best of our knowledge this product does not affect discernment if used in the manner intended.

Effect on human microflora

Effects on human micro flora have not been proven, or are negligible.

SECTION 12: Ecological Information

12.1. Toxicity

In the local environment minor ecological effects may occur in case of large discharge.

12.2. Persistence and degradability

The product does not degrade in the natural environment.

12.3. Bioaccumulative potential

Neither this product, nor its contents, accumulates in nature.

12.4. Mobility in soil

The product is not miscible with water.

12.5. Results of PBT and vPvB assessment

No chemical safety report has been executed.

12.6. Other adverse effects

Not indicated

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Waste handling of the product

The product is not classified as hazardous waste.

EWG code 17 06 04.

Also take local regulations for dealing with waste into account.

Cf. also national waste regulations.

Recycling of the product

This product is not usually recycled.

Transportation of waste

Waste class J(0) - Does not have adverse effects on health or the environment.

SECTION 14: Transport Information

This product is only supposed to be transported by road or railway and just the transport regulations ADR/RID thus apply. If other means of transport are to be used, contact the publisher of this material safety data sheet.

14.1. UN number

Not classified as dangerous goods

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.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory Information

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

Not applicable.

15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other Information

16a. Indication of where changes have been made to the previous version of the material safety data sheet Revisions of this document

This is the first version.

16b. Legend to abbreviations and acronyms used in the material safety data sheet

Full texts for Hazard Class and Category Code mentioned in section 3

Not applicable.

Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road.

RID Regulations concerning the International Transport of Dangerous Goods by Rail.

16c. Key literature references and sources for data

Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2013-02-28.

Where such data was lacking, on the second hand the documentation on which this official classification is based was used, e.g. IUCLID (International Uniform Chemical Information Database). On the third hand, information was used from reputable international chemical suppliers, and on the fourth hand from other available information, e.g. material safety data sheets from other suppliers or information from non-profit associations, whereby the reliability of the source was judged by an expert. If, in spite of this, reliable information was not found, the hazards were judged by expert opinions based on the known properties of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Material Safety Data Sheet

1453/2010

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

1272/2008

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006..

1999/45/EG

DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

89/391

COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work.

1907/2006

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Annex I.

16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

The calculation of the hazards of this mixture has been performed as an evaluation by applying a weight of evidence determination using expert judgement in accordance with 1272/2008 Annex I, weighing all available information having a bearing on the determination of the hazards of the mixture, and in accordance with 1907/2006 Annex XI.

16e. List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

Full text for risk phrases mentioned in section 3
Not applicable.

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

Warning for misuse

This product is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

Other relevant information

Label information in accordance with 1999/45/EG

Hazard symbol	Not applicable
R-phrases	Not applicable
S-phrases	Not applicable