

HydroSeal Monoflex

High Performance Construction Joint Sealing

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

- Product name HydroSeal Monoflex
- Product code HS-MF

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture Waterproofing Tape (Article). Reserved for industrial and professional use.
- Identified uses The product can be welded hot with conventional heat guns.

Details of the Supplier of the Material Safety Data Sheet

- Company Address Newton Waterproofing Systems, Newton House, 17-20 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web www.newtonwaterproofing.co.uk
- Email address of the competent person info@newtonwaterproofing.co.uk
- Emergency telephone number +44 (0)1732 360095: 08:00/17:30 (GMT) Mon-Thur & 08:00/17:00 (GMT) Fri

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture Product Identifier

- Classification according to EC regulation 1272/2008 (CLP)
This mixture is classified as not hazardous.

2.2 Label Elements - Labelling (CLP)

- Hazard statements Not applicable
- Precautionary Statements Not applicable

2.3 Other Hazards

Danger of slipping because of loose sheets.

Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. Dust contact with the eyes can lead to mechanical irritation. Inhalation of dust may cause irritation of the respiratory system. Hot product can cause severe burns. When hot, product develops flammable vapours. Particular danger of slipping on molten product.

Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

- Not Applicable

3.2 Mixture

- Chemical characterisation: Sealing agent on the basis of FPO (flexible polyolefin)

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4. FIRST AID MEASURES

4.1 Description of First Aid Measures

- In case of inhalation: In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. In case of respiratory difficulties seek medical attention.
- Following skin contact: Remove residues with soap and water. In case of skin reactions, consult a physician. After contact with molten product, cool skin area rapidly with cold water. Continue cooling process during transport. Immediately get medical attention. Do not peel solidified product off the skin.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.
- After swallowing: Not a probable route of exposure. In the case of the formation of dust: Rinse mouth. Seek medical treatment in case of troubles.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- No adverse effects known to this day, when properly handled. Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. Dust contact with the eyes can lead to mechanical irritation. Inhalation of dust may cause irritation of the respiratory system.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

- Suitable extinguishing media Water spray jet, foam, dry extinguishing powder, carbon dioxide.
- Extinguishing media which must not be used for safety reasons: Full water jet.

5.2 Special Hazards Arising from the Material

This material is combustible, but will not ignite readily. In case of fire may be liberated: Smoke, hydrocarbons, aldehydes, carbon black, carbon monoxide and carbon dioxide. Do not breathe fumes.

5.3 Advice for Firefighters

- Special protective equipment for firefighters Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.
- Additional information: Hazchem-Code: - Use fine water spray to cool endangered containers. Do not allow fire water to penetrate into surface or ground water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid generation of dust. Avoid inhalation and contact with skin and eyes. Wear appropriate protective equipment. Keep unprotected people away. Ensure adequate ventilation, especially in confined areas.

6.2 Environmental Precautions

Do not allow to enter into ground-water, surface water or drains.

6.3 Methods and Materials for Containment and Cleaning Up

Take up mechanically, placing in appropriate containers for disposal.

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- Additional information: Danger of slipping because of loose sheets. Particular danger of slipping on molten product.

6.4 Reference to Other Sections Refer additionally to section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- Advice on safe handling To avoid thermal decomposition, do not overheat.
At processing: Hot product can cause severe burns. When hot, product develops flammable vapours. Particular danger of slipping on molten product. Provide adequate ventilation, and local exhaust as needed. Avoid formation of aerosols/vapours. Avoid generation of dust. Avoid inhalation and contact with skin and eyes. Wear appropriate protective equipment. Keep unprotected people away. When using do not eat, drink or smoke.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

- Requirements for storerooms and containers: Store at room temperature. Protect from exposure to heat, direct sunlight, and cold. Store in a dry place.
- Hints on joint storage: Do not store together with combustible or self-igniting materials or any highly flammable solids.

7.3 Specific End Use(es) No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Occupational exposure limit values:

Type	Limit value
Great Britain: WEL-TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
Great Britain: WEL-TWA	4 mg/ m ³ (Dust limit value, respirable fraction)
Ireland: 8 hours	10 mg/m ³ (Dust limit value, inhalable fraction)
Ireland: 8 hours	4 mg/m ³ (Dust limit value, respirable fraction)

8.2 Exposure Controls

- Provide good ventilation and/or an exhaust system in the work area.
- In case of development of vapours or dust: Use local exhaust.

8.3 Personal Protective Equipment

- Respiratory protection: Respiratory protection is not necessary if room is well ventilated.
At processing: Use breathing apparatus if a considerable amount of dust is produced. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
- Hand Protection: Protective gloves against heat and Protective gloves against mechanical risks according to EN 388.
- Eye protection At processing (recommended): Safety glasses in accordance with EN 166.

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- General protection and hygiene measures:
To avoid thermal decomposition, do not overheat. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. When using do not eat, drink or smoke.
- At processing:
Avoid contact with skin, eyes, and clothing. Do not breathe vapours. Do not breathe dust.

• 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

- Appearance
 - (i) Form Solid
 - (ii) Colour Grey
- Odour Weak, characteristic
- Odour threshold Not determined
- pH Not applicable
- Melting point 80 °C
- Initial melting point and range No data available
- Flash point/self-ignition °C Not applicable
- Evaporation rate No data available
- Flammability This material is combustible, but will not ignite readily.
- Explosion limits:
LEL (Lower Explosion Limit): not applicable
UEL (Upper Explosive Limit): not applicable
- Vapour pressure No data available
- Vapour density No data available
- Relative density At 20 °C: 1.2 g/cm³
- Solubility Insoluble in most organic solvents.
- Water Solubility Insoluble
- Partition coefficient n-octanol/water: No data available
- Auto-ignition temperature Not determined
- Decomposition Temperature Decomposition temperature: >220°C
- Viscosity, kinematic: No data available
- Explosive properties Product is not explosive. Decomposition products include explosive.
- Oxidising properties Not oxidising

9.2 Other Information

- Solid content: 100 %

10. STABILITY AND REACTIVITY

- 10.1 Reactivity Refer to 10.3
- 10.2 Chemical Stability Product is stable under normal storage conditions.
- 10.3 Possibility of Hazardous Reactions No hazardous reaction when handled and stored according to provisions.
- 10.4 Conditions to Avoid Protect from frost, heat and sunlight.
- 10.5 Incompatible Materials Strong oxidizing agents and solvents.

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10.6 HAZARDOUS DECOMPOSITION PRODUCTS

If heated to decomposition product may emit: Hydrocarbons, aldehydes, smoke, carbon monoxide and carbon dioxide.

Thermal decomposition: Decomposition temperature: >220°C

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Accute toxicity - oral	Based on available data the classification criteria are not met
Accute toxicity - dermal	Based on available data the classification criteria are not met
Accute toxicity - inhalation	Based on available data the classification criteria are not met
Skin corrosion/irritation	Based on available data the classification criteria are not met
Serious eye damage/irritation	Based on available data the classification criteria are not met
Sensitisation to the respiratory tract:	Based on available data the classification criteria are not met
Skin sensitisation	Based on available data the classification criteria are not met
Germ cell mutagenicity/Genotoxicity:	Based on available data the classification criteria are not met
Carcinogenicity	Based on available data the classification criteria are not met
Reproductive toxicity	Based on available data the classification criteria are not met
Effects on or via lactation	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data the classification criteria are not met
Specific target organ toxicity - repeated exposure	Based on available data the classification criteria are not met
Aspiration hazard	Based on available data the classification criteria are not met
Symptoms	No adverse effects known to this day, when properly handled. Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. Dust contact with the eyes can lead to mechanical irritation. Inhalation of dust may cause irritation of the respiratory system.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

- Further details: No data available

112.2. Persistence and degradability

- Persistence and degradability Product is not biodegradable. Effects in sewage plants: Do not release large quantities into the surface water or into drains. Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

12.3. Bioaccumulative potential

- Partition coefficient: n-octanol/water: No data available

12.4. Mobility in soil

- Mobility No data available

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Other adverse effects

- General information Do not allow to enter into ground-water, surface water or drains.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Product

- Waste key number: 08 04 10 = waste adhesives and sealants other than those mentioned in 08 04 09
- Recommendation: Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge. Do not release large quantities into the surface water or into drains.

Contaminated packaging

- Recommendation: Waste key number 150101 - paper and cardboard packaging
Waste key number 150102 - Plastic packaging.
Dispose of waste according to applicable legislation.

14. TRANSPORT INFORMATION

14.1 UN Number

- ADR/RID, IMDG, IATA-DGR: not applicable

14.2 UN Proper Shipping Name

- ADR/RID, IMDG, IATA-DGR: not restricted

14.3 Transportation Hazard Class(es)

- ADR/RID, IMDG, IATA-DGR: not applicable

14.4 Packing Group

- ADR/RID, IMDG, IATA-DGR: not applicable

14.5 Environmental Hazards

- Marine pollutant: No

14.6 Special Precautions for User

- No dangerous good in sense of these transport regulations.

14.7 Transport in Bulk According to:

No data available

15. REGULATORY INFORMATION

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

- National regulations: Great Britain
- Hazchem-Code: No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

16. OTHER INFORMATION

Department issuing data sheet

- Contact person: See section 1: Department responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).