

HydroSeal Monoflex Adhesive

Part A - Base

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

Product Identifier

- Product name Newton HydroSeal Monoflex Adhesive (Base)
- Product code HS-MFA

Relevant identified uses of the substance and uses advised against

- [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC10] Roller application or brushing;
- [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC11] Non industrial spraying;
- [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying;

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

2.1.2. Classification - EC 1272/2008. Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;

2.2 Label Elements

- Hazard Pictograms



- Sign word Warning
- Hazard Statement
 - Skin Irrit. 2: H315 - Causes skin irritation.
 - Skin Sens. 1: H317 - May cause an allergic skin reaction.
 - Eye Irrit. 2: H319 - Causes serious eye irritation.
 - Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
- Precautionary Statement:
 - Prevention
 - P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P264 - Wash thoroughly after handling.
 - P272 - Contaminated work clothing should not be allowed out of the workplace
 - P273 - Avoid release to the environment.

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- **Precautionary Statement:**

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 - IF ON SKIN: Wash with plenty of water/.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see on this label).

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P391 - Collect spillage.

- **Precautionary Statement:**

Disposal

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Other Hazards

No data is available on this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	30 - 40%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;
Bisphenol F-epoxy resin		9003-36-5	500-006-8	01-2119454392-40	1 - 10%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8	01-2119485289-22	1 - 10%	Skin Irrit. 2: H315; Skin Sens. 1: H317;

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

- Inhalation Move affected person to fresh air.
- Eye contact Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing.
- Skin contact Wash off immediately with plenty of soap and water. Remove contaminated clothing.
- Ingestion Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Inhalation Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
- Eye contact May cause irritation to eyes.
- Skin contact May cause irritation to skin.
- Ingestion Ingestion may cause nausea and vomiting.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- Inhalation Seek medical attention if irritation or symptoms persist.
- Eye contact Seek medical attention if irritation or symptoms persist.

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- Skin contact Seek medical attention if irritation or symptoms persist.
- Ingestion If you feel unwell, seek medical advice (show the label where possible).

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

- Use extinguishing media appropriate to the surrounding fire conditions. Carbon oxides. Dry chemical. Foam. Do NOT use water jet.

5.2 Special Hazards Arising from the Material

- Burning produces irritating, toxic and obnoxious fumes.

5.3 Advice for Firefighters

- Wear self contained breathing apparatus and protective clothing. Do not allow runoff water to enter sewers or drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- Ensure adequate ventilation of the working area. Avoid contact with skin and eyes.

6.2 Environmental Precautions

- Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.

6.3 Methods and Materials for Containment and Cleaning Up

- Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to Other Sections

- See section 8 for further information. See section 13 for further information.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

- Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

7.3 Specific End Use(es)

- See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

- No exposure limit value known. If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods of the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

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8.1.1. Exposure Limit Values

Bisphenol A-(epichlorhydrin) (reaction product)	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 12.3
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total inhalable dust:	WEL 15 min limit mg/m3 total inhalable dust:
	WEL 8-hr limit mg/m3 total respirable dust:	WEL 15 min limit mg/m3 total respirable dust:

8.2 Exposure Controls



8.2.1 Appropriate engineering controls

- Ensure adequate ventilation of the working area.

8.2.2 Individual Protection Measures

- Wear Protective Clothing
- Eye / face protection Approved safety goggles.
- Skin protection
 - (i) Hand Protection Butyl rubber gloves. Chemical resistant gloves. Polyvinyl chloride - PVC ().
 - (ii) Other Wear suitable protective clothing.
- Respiratory protection Wear suitable respiratory equipment when necessary.
- Occupational exposure Keep away from food, drink and animal feedingstuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

- Appearance
 - (i) Form Paste
 - (ii) Colour Various
- Odour Slight
- Flash point 130 °C
- Relative density 1.13 (H2O = 1 @ 20 °C)
- Viscosity 700 mPas (Cone & Plate)
- Initial boiling point 100 °C
- Autoignition temperature No data available
- Evaporation rate No data available
- Explosive properties No data available
- Oxidising properties No data available
- Fat Solubility No data available
- Partition coefficient No data available
- pH No data available
- Melting point No data available
- Freezing Point No data available

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- Flammability (solid, gas) No data available
- Upper Explosive Limit No data available
- Lower Explosive Limit No data available
- Vapour pressure No data available
- Vapour density No data available
- Solubility Slightly soluble in water

9.2 Other Information

Benzene Content	0 %
Lead content	0 %
VOC (Volatile organic compounds)	0 g/l
Conductivity	No data available
Surface tension	No data available
Gas group	No data available

10. STABILITY AND REACTIVITY

- 10.1 Reactivity Stable under normal conditions.
- 10.2 Chemical Stability Stable under normal conditions.
- 10.3 Possibility of Hazardous Reactions No data is available on this product.
- 10.4 Conditions to Avoid Heat will increase pressure in sealed containers.
- 10.5 Incompatible Materials Carbon oxides.
- 10.6 Hazardous Decomposition Products Will not decompose if stored and used as recommended.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

- Skin corrosion/irritation May cause irritation to skin.
- Serious eye damage/irritation May cause irritation to eyes.
- Respiratory or skin sensitisation May cause sensitisation by skin contact.
- Germ cell mutagenicity No mutagenic effects reported.
- Carcinogenicity No carcinogenic effects reported.
- Reproductive toxicity No observed effect level. No teratogenic effects reported.
- Repeated or prolonged exposure Once sensitised, an allergic reaction may occur when subsequently exposed to very low levels.

11.1.2. Toxicological Information

Bisphenol A-(epichlorhydrin) (reaction product)	Dermal Rat LD50: >2000mg/kg	Oral Rat LD50: >2000mg/kg
	Inhalation Rat LC50/4 h: >0.15mg/l	

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12. ECOLOGICAL INFORMATION

12.1 Toxicity

Bisphenol A-(epichlorhydrin) (reaction product)	Daphnia EC50/48h: 1.7000 mg/l Fish LC50/96h: 1.5000 mg/l	Algae IC50/72h: 9.4000 mg/l
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12.2. Persistence and degradability

- Not readily biodegradable.

12.3. Bioaccumulative potential

- Low.
- Partition coefficient Resbuild EPA - Base No data available

12.4. Mobility in soil

- No data is available on this product.

12.5. Results of PBT and vPvB assessment

- No data is available on this product.

12.6. Other adverse effects

- No data is available on this product.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

- Dispose of in compliance with all local and national regulations.
- General information 08 02 99 wastes not otherwise specified.
- Disposal methods
The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste packaging should be recycled if possible. Incineration should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned. Empty containers or liners may still contain residue. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- Disposal of packaging
Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do NOT reuse empty containers.

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14. TRANSPORT INFORMATION

Hazard pictograms



14.1 UN Number

- UN3082

14.2 UN Proper Shipping Name

- ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A-Epoxy Resin)

14.3 Transportation Hazard Class(es)

- ADR/RID 9
- Subsidiary risk -
- IMDG 9
- Subsidiary risk -
- IATA 9
- Subsidiary risk -

14.4 Packing Group

- Packing group III

14.5 Environmental Hazards

- Environmentally hazardous Yes
- Marine pollutant Yes

14.6 Special Precautions for User

- Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of a spillage.

14.7 Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code

- For transport approval see regulatory information.

ADR/RID

- Hazard ID 90
- Tunnel Category (E)

IMDG

EmS Code F-A S-F

IATA

- Packing Instruction (Cargo) 964
- Maximum quantity 450 L
- Packing Instruction (Passenger) 964
- Maximum quantity 450 L

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15. REGULATORY INFORMATION

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

Regulations	<p>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.</p> <p>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), 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.</p>
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15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

16. OTHER INFORMATION

- Revision This document differs from the previous version in the following areas: 4 - Eye contact.

Other information

- Text of Hazard Statements in Section 3 Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
- Maximum content of VOC 0 g/l.
- Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.