

HydroSeal Monoflex Adhesive

Part B - Curing Agent

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

1.1 Product Identifier

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

1.2 Relevant identified uses of the substance and uses advised against

- Product Use [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC9a] Coatings and paints, thinners, paint removers; [PROC10] Roller application or brushing; [ERC2] Formulation of preparations;

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 - Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; Aquatic Chronic 3: H412;

2.2 Label Elements

- Hazard Pictograms



- Sign word

Danger

- Hazard Statement

Acute Tox. 4: H302 - Harmful if swallowed.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Acute Tox. 4: H332 - Harmful if inhaled.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

- Precautionary Statement:

Prevention

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the work place.

P273 - Avoid release to the environment.

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

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- **Precautionary Statement:** Response
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P352 - IF ON SKIN: Wash with plenty of water/.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 -Immediately call a POISON CENTER/doctor/ .
P312 - Call a POISON CENTER/doctor/ /if you feel unwell.
P321 - Specific treatment (see on this label).
P330 - Rinse mouth.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse
- **Precautionary Statement:** Storage
P405 - Store locked up.
- **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
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01-2119492630-38	30 - 40%	Acute Tox. 4: H332; Acute Tox. 4: H302;
m-xylylenediamine		1477-55-0	216-032-5	01-2119480150-50	10 - 10%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; Aquatic Chronic 3: H412;
3-Aminomethyl-3,5,5-trimethylcyclo hexylamine	612-067-00-9	2855-13-2	220-666-8	01-2119514687-32	10 - 10%	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412;
Salicylic Acid		69-72-7	200-712-3	01-2119486984-17	1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;
4,4'-Isopropylidenediphol,olig omeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with m-phenylenebis(methylamine)		113930-69-1			1 - 10%	Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 2: H411;

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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 Move the exposed person to fresh air. 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 Risk of serious damage to eyes.
- Skin contact May cause irritation to skin.
- Ingestion HARMFUL IF SWALLOWED. Causes burns.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

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

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.

Further information

- Dispose of as special waste in compliance with official regulations.

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. Prevent further spillage if safe.

6.3 Methods and Materials for Containment and Cleaning Up

- Absorb with inert, absorbent material. 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.

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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

- This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace. WEL-8hr Limit - 90mg/m³, (Benzyl Alcohol).

8.2 Exposure Controls



8.2.1 Personal Protective Equipment

- 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 Wear suitable gloves.
 - (ii) Other Wear suitable protective clothing.
- Respiratory protection Wear suitable respiratory equipment when necessary.
- Occupational exposure controls 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 Liquid
 - (ii) Colour Light yellow
- Odour Characteristic
- pH No data available
- Melting point No data available
- Freezing Point No data available
- Initial boiling point > 200 °C
- Flash point 100 °C

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• Evaporation rate	No data available
• Flammability (solid, gas)	No data available
• Vapour pressure	10 Pa
• Vapour density	No data available
• Relative density	1.06 (H ₂ O = 1 @ 20 °C)
• Fat Solubility	No data available
• Partition coefficient	No data available
• Autoignition temperature	380 °C
• Viscosity	200 mPas (Cone & Plate)
• Explosive properties	No data available
• Oxidising properties	No data available
• Solubility	Insoluble in water
• Conductivity	No data available
• Surface tension	No data available
• Gas group	No data available
• Benzene Content	0 %
• Lead content	0 %
• VOC (Volatile organic compounds)	0 g/l

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	Reacts with. Acids. Alkalis. Oxidising agents.
10.4 Conditions to Avoid	No data is available on this product.
10.5 Incompatible Materials	Strong oxidising agents.
10.6 Hazardous Decomposition Products	No data is available on this product.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

• Skin corrosion/irritation	May cause severe irritation to skin, eyes and mucous membranes.
• Serious eye damage/irritation	Risk of serious damage to eyes. Strong caustic effect.
• Respiratory or skin sensitisation	May cause sensitisation by skin contact.
• Germ cell mutagenicity	No mutagenic effects reported.
• Reproductive toxicity	No observed effect level. No teratogenic effects reported.

11.1.2. Toxicological Information

3-Aminomethyl-3,5,5-trimethylcyclohexylamine	Dermal Rat LD50: >2000mg/kg	Oral Rat LD50: 1030mg/kg
	Dermal Rabbit LD50: 1840mg/kg	
Benzyl alcohol	Oral Rat LD50: 1230mg/kg	Dermal Rabbit LD50: 2000mg/kg

11.1.3. Other Information

- Swallowing will lead to a strong caustic effect on mouth and throat and danger of perforation of esophagus and stomach.

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12. ECOLOGICAL INFORMATION

12.1 Toxicity

3-Aminomethyl-3,5,5-trimethylcy clohexylamine	Daphnia EC50/48h: 23 mg/l Fish LC50/96h: 110.0000 mg/l	Algae IC50/72h: 50.0000 mg/l
Benzyl alcohol	Daphnia EC50/48h: 400.0000 mg/l Fish LC50/96h: 645.0000 mg/l	Algae IC50/72h: 640.0000 mg/l

12.2. Persistence and degradability

- No data is available on this product.
- PBT - Not applicable.

12.3. Bioaccumulative potential

- No data is available on this product.
- Partition coefficient Resbuild EPA - Curing Agent 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 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS.
08 02 wastes from MFSU of other coatings (including ceramic materials).
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

- UN2735

14.2 UN Proper Shipping Name

- AMINES, LIQUID, CORROSIVE N.O.S. (Isophoronediamine)

14.3 Transportation Hazard Class(es)

- ADR/RID 8
- Subsidiary risk -
- IMDG 8
- Subsidiary risk -
- IATA 8
- Subsidiary risk -

14.4 Packing Group

- Packing group III

14.5 Environmental Hazards

- Environmentally hazardous No
- Marine pollutant No

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 80
- Tunnel Category (E)

IMDG

EmS Code F-A S-B

IATA

- Packing Instruction (Cargo) 856
- Maximum quantity 60 L
- Packing Instruction (Passenger) 852
- Maximum quantity 5 L

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15. REGULATORY INFORMATION

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

Regulations	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. 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.
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15.2 Chemical Safety Assessment

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

16. OTHER INFORMATION

Other information

Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H332 - Harmful if inhaled. Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Acute Tox. 4: H312 - Harmful in contact with skin. Eye Dam. 1: H318 - Causes serious eye damage. 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.