



Revision: 1.0 - 15th July 2021

Code: HB-2K

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

Product Identifier

Product name
 Newton HydroBond 2K-Flex

Product code
 404

PART A - BITUMEN

Relevant identified uses of the substance and uses advised against

Use of substance/mixture
 Highly flexible, polystyrene-filled, polymer-coated, 2-component bitumen

thick coating

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 under CLP
 The mixture is classified as not hazardous according to regulation (EC) No

1272/2008 [CLP]. Physical Hazards Flam. Liq. 3 - H226

product does not have to be labelled

Hazard statements

Supplimental hazard information EUH208 - Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic

reaction.

2.3 Other Hazards NDA

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture NDA

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General information
 In case of accident or illness, seek medical advice immediately (show

directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do

not leave affected person unattended

• Inhalation No special measures are necessary

Ingestion
 Rinse mouth. Drink water in little sips (dilution effect). Get medical

advice/attention if you feel unwell

Thick, Bitumen Waterproof Coating (Part A - Bitumen)

Skin contact
 After contact with skin, wash immediately with plenty of water and soap. In

case of skin irritation, consult a physician

Eye contact In case of contact with eyes flush immediately with plenty of flowing water

for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

General information
 No known symptoms to date

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media
 Extinguishing powder, Carbon dioxide (CO2), Foam

Unsuitable extinguishing media Full water jet

5.2 Special Hazards Arising from the Material

Hazardous combustion products
 Burning produces heavy smoke

5.3 Advice for Firefighters

· Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing

6. ACCIDENTAL RELEASE MEASURES

6.1.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions
 Remove persons to safety. Use personal protection equipment

Personal equipment
 Wear protective gloves/protective clothing/eye protection/face protection

6.1.2 For emergency responders

Personal protection equipment
 See section 8

6.2 Environmental PrecautionsDo not allow to enter into surface water or drains. Do not allow to enter

into soil/subsoil

6.3 Methods and Materials for Containment and Cleaning Up

For containment
 Absorb with liquid-binding material (sand, diatomaceous earth, acid- or

universal binding agents)

For cleaning up
 Dilute with plenty of water. Retain contaminated washing water and dispose it

6.4 Reference to Other Sections For personal protection, see Section 7. For personal protection, see Section

8. For waste disposal, see Section 13

6.5 Additional information Collect spillage

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Protective measures

Advice on safe handling
 Wear personal protection equipment (refer to section 8)

• Fire prevent measures No special fire protection measures are necessary

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage precautions
 Keep container tightly closed in a cool, well-ventilated place. Protect from

sunlight. storage temperature: 5-35°C

Storage class
 (TRGS 510, Germany): 12 – non-combustible liquids that cannot be assigned

to any of the above storage classes

Thick, Bitumen Waterproof Coating (Part A - Bitumen)

7.3 Specific End Use(es)

Industrial sector specific solutions Bituminous emulsions

GISCODE BBP10

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Workplace Exposure Limits (WEL)

Substance	CAS No.:	EC No.:	Long-term exposure limit (8hr TWA reference period)		Short-term exposure limit (15 minute reference period)		Comments
			ppm	mg / m³	ppm	mg / m³	
Asphalt	8052-42-4	232-490-9		5		10	N/A

8.1.2 Biological limit values No data available 8.1.3 DNEL-/PNEC-values No data available

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls No data available

8.2.2 Personal Protective Equipment







Eye / face protection Eye glasses with side protection DIN EN 166

Skin protection Tested protective gloves must be worn EN ISO 374 Suitable material: Break through time: min In the case of wanting to use the gloves again, clean

them before taking off and air them well. Breakthrough times and swelling

properties of the material must be taken into consideration

Respiratory protection Respiratory protection necessary at: spray application

8.2.3 Environmental exposure controls No data available

8.3 Additional information

Further information See technical data sheet

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance

(i) Form Paste (ii) Colour Black Odour Odourless

Melting point Not determined

 $> 0^{\circ}C$ Freezing point ≥ 100 °C Initial boiling point/range

Decomposition temperature Not determined Flash point/self-ignition Not determined

Thick, Bitumen Waterproof Coating (Part A - Bitumen)

Evaporation rate
 Auto-ignition temperature
 Not determined

• Upper/lower flammability or explosive limits

Not determined

Vapour pressureVapour densityNot determined

• Density 0.65 – 0.68 g/cm³ @ 20°C

Relative density
 Bulk density
 Not determined
 Not determined

Solubility in water Miscible

Partition coefficient n-octanol/water Not determined
 Dynamic viscosity Not determined

Explosive properties
 Not considered to be explosive

Kinematic viscosity Not determined

Volatile organic compounds

(VOC) content in percent by weight: Not determined
 9.2 Other Information No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity The product itself is not combustible, it is however slightly oxidising (active

oxygen content approx. 2%)

10.2 Chemical Stability The product is chemically stable under recommended conditions of storage,

use and temperature

10.3 Possibility of Hazardous Reactions No hazardous reaction when handled and stored according to provisions

10.4 Conditions to Avoid No data available10.5 Incompatible Materials to Avoid No data available

10.6 Hazardous Decomposition Products Does not decompose when used for intended uses

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Substance name	Toxicological information
Asphalt CAS No.: 8052-42-4 EC No.: 232-490-9	LD50 oral: >5,000 mg/kg (Rat) Gestis LD50 dermal: >2,000 mg/kg (Rabbit) Gestis

Accute toxicity - oral

Accute toxicity - dermal

Accute toxicity - dermal

Accute toxicity - inhalation

Based on available data, the classification criteria are not met

Based on available data, the classification criteria are not met

Skin corrosion/irritation Due to its pH value (see section 9), irritation of the skin and eyes cannot be

ruled out

Serious eye damage/irritation Due to its pH value (see section 9), irritation of the skin and eyes cannot be

ruled out

Respiratory or skin sensitisation Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction

Thick, Bitumen Waterproof Coating (Part A - Bitumen)

Germ cell mutagenicity

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

Specific target organ toxicity

STOT - single exposure
STOT - repeated exposure

Aspiration hazard

Based on available data, the classification criteria are not met
Based on available data, the classification criteria are not met
Based on available data, the classification criteria are not met

Additional information No data available

11.2 Information on Other hazards No data available

12. ECOLOGICAL INFORMATION

12.1 EcotoxicityNo data available12.2. Persistence and degradabilityNo data available12.3. Bioaccumulative potentialNo data available12.4. Mobility in soilNo data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties No data available12.7. Other adverse effects No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods Dispose of waste according to applicable legislation

13.1 .1 Product/Packaging disposal Waste codes/waste designations according to EWC/AVV

Waste code product: 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09 Waste code packaging: 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

13.1.2 Waste treatment options Waste codes/waste designations according to EWC/AVV

Appropriate disposal / Product: Consult the appropriate local waste disposal expert about waste disposal

Appropriate disposal / Package: Completely emptied packages can be recycled

13.2 Additional information The allocation of waste identity numbers/waste descriptions must be carried

out according to the EEC, specific to the industry and process

14. TRANSPORT INFORMATION

General information Not dangerous good in sense of these transport regulations

14.1 UN NumberNot relevant14.2 UN Proper Shipping NameNot relevant14.3 Transportation Hazard Class(es)Not relevant14.4 Packing GroupNot relevant14.5 Environmental HazardsNot relevant14.6 Special Precautions for UserNot relevant14.7 Transport in BulkNot relevant

Thick, Bitumen Waterproof Coating (Part A - Bitumen)

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance, Mixture or Article

No data available

15.2 Chemical Safety Assessment For this substance a chemical safety assessment is not required

16. OTHER INFORMATION

16.1 Indication of changesNo data available16.2 Abbreviations and acronymsNo data available

16.3 Key literature references and sources for data

16.4 Classification for mixtures and used evaluation method according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

• Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567:

The mixture is classified as not hazardous according to regulation (EC) No

1272/2008 [CLP]

No data available

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

No data available

16.6 Training adviceNo data available

16.7 Additional information The information in this safety data sheet corresponds to the best of our

knowledge at the time of printing. The information should give you indications for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product is mixed with other materials, mixed or processed, or subjected to

processing, the information in this safety data sheet, unless expressly stated otherwise, can not be transferred to the new material produced in this way.

Follow instructions for use on the label





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

Product Identifier

Product name
 Newton HydroBond 2K-Flex

Product code
 404

PART B - POWDER

Relevant identified uses of the substance and uses advised against

Use of substance/mixture Highly flexible, polystyrene-filled, polymer-coated, 2-component bitumen

thick coating

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 GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation	Calculation method
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage	Calculation method

Additional information
 Product is low in chromate according to TRGS 613

2.2 Label Elements

- Labelling according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567:
- Hazard pictograms



GHS05

Corrosion

Signal word Danger

Hazard components for labelling: Product contains cement

Hazard statements for health hazards		
H315	Causes skin irritation	
H318	Causes serious eye damage	

Thick, Bitumen Waterproof Coating (Part B - Powder)

Precautionary statements	
P102 Keep out of reach of children	

Precautionary statements - Prevention		
P280	Wear protective gloves/protective clothing/eye protection/face protection	

Precautionary statements - Response		
P305 + P351 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing		
P332 + P313	If skin irritation occurs: Get medical advice/attention	

2.3 Other Hazards NDA

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture NDA

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General information
 Usually no personal respirative protection necessary. In case of accident

or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave

affected person unattended.

Warning First aider: Pay attention to self-protection!

• Self-protection of the first aider: Use personal protection equipment.

Inhalation
 Provide fresh air. Call a doctor if you feel unwell. In case of respiratory tract

irritation, consult a physician

Ingestion
 Rinse mouth. Drink water in little sips (dilution effect). Get medical

advice/attention if you feel unwell

Skin contact
 Wash with plenty of water. Take off contaminated clothing. After contact

with skin, wash immediately with plenty of water and soap. If skin irritation

or rash occurs: Get medical advice/attention

Eye contact
 Rinse cautiously with water for several minutes. If eye irritation persists: Get

medical advice/attention

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Skin corrosion/irritation Serious eye damage/eye irritation

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
 Co-ordinate fire-fighting measures to the fire surroundings

5.2 Special Hazards Arising from the Material

No known hazardous reactions. The product itself does not burn

5.3 Advice for FirefightersWear a self-contained breathing apparatus and chemical protective clothing

Thick, Bitumen Waterproof Coating (Part B - Powder)

5.4 Additional informationCollect contaminated fire extinguishing water separately. Do not allow

entering drains or surface water

6. ACCIDENTAL RELEASE MEASURES

6.1.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions
 Avoid dust formation. Remove persons to safety

Personal equipment
 Wear protective gloves/protective clothing/eye protection/face protection

6.1.2 For emergency responders

Personal protection equipment
 Respiratory protection necessary at: dust formation, Personal protection

equipment: see section 8

6.2 Environmental PrecautionsDo not allow to enter into surface water or drains

6.3 Methods and Materials for Containment and Cleaning Up

For containment
 Collect spillage. Measures to prevent aerosol and dust generation Wet clean

or vacuum up solids

For cleaning up
 Dilute with plenty of water. Retain contaminated washing water and dispose it

6.4 Reference to Other Sections Personal protection equipment: see section 8 Disposal: see section 13 Safe

handling: see section 7

6.5 Additional informationUse appropriate container to avoid environmental contamination

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Protective measures

Advice on safe handling
 Wear personal protection equipment (refer to section 8). Do not breathe

dust

Fire prevent measures
 No special fire protection measures are necessary

Measures to prevent aerosol and dust generation

Do not use a dry brush as dust clouds or static can be created. Dust should

be exhausted directly at the point of origin. Additional measures for

respiratory protection: Dust mask

Provision No special environmental measures are necessary

Advices on general occupational hygiene

When using do not eat, drink or smoke. Minimum standard for preventive measures while handling with working materials are specified in the TRGS

500. Avoid contact with eyes and skin

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage precautions
 Store in a cool dry place. Keep container tightly closed in a cool, well-

ventilated place

Storage class 13 – Non-combustible solids that cannot be assigned to any of the above

storage classes

7.3 Specific End Use(es)

• Industrial sector specific solutions Products containing cement, low in chromate

GISCODE ZP1

Thick, Bitumen Waterproof Coating (Part B - Powder)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational exposure limit values

Workplace Exposure Limits (WEL)

Limit value type (country of origin)	Substance name	Long-term occupational exposure limit value	Remark
WEL (GB) BOELV (EU)	Quartz (SiO2) CAS No.: 14808-60-7 EC No.: 238-878-4	0.1 mg/m³	(Silica, crystalline; respirable fraction)
WEL (GB)	Cement, portland, chemicals CAS No.: 65997-15-1 EC No.: 266-043-4	10 mg/m ³	(inhalable fraction)
WEL (GB)	Cement, portland, chemicals CAS No.: 65997-15-1 EC No.: 266-043-4	4 mg/m³	(respirable fraction)

No data available 8.1.2 Biological limit values 8.1.3 DNEL-/PNEC-values No data available

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls No data available

8.2.2 Personal Protective Equipment (Silica, crystalline; respirable fraction)







Eye / face protection

Skin protection

Dust protection eye glasses Eye glasses with side protection DIN EN 166

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well

Usually no personal respirative protection necessary. Particle filter device Respiratory protection (DIN EN 143)

8.2.3 Environmental exposure controls No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance

(i) Form Solid (ii) Colour Grey Odourless Odour Melting point Not determined Not determined Freezing point

Initial boiling point/range

Not determined

Thick, Bitumen Waterproof Coating (Part B - Powder)

•	Decomposition temperature	Not determined
•	Flash point/self-ignition	Not determined
•	Evapouration rate	Not determined
•	Auto-ignition temperature	Not determined

• Upper/lower flammability or explosive limits

Not determined

Vapour pressure
 Vapour density
 Density
 Relative density
 Bulk density
 Not determined
 Not determined
 Not determined

Solubility in water
 Miscible

Partition coefficient n-octanol/water Not determined
 Dynamic viscosity Not determined

Explosive properties
 Not considered to be explosive

Kinematic viscosity
 Not determined

Volatile organic compounds

(VOC) content in percent by weight: Not determined
 9.2 Other Information
 No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity The product itself does not burn

10.2 Chemical Stability
 10.3 Possibility of Hazardous Reactions
 10.4 Conditions to Avoid
 10.5 Incompatible Materials to Avoid
 10.6 Hazardous Decomposition Products
 10.6 Void No data available
 10.6 Hazardous Decomposition Products

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Substance name	Toxicological information
Cement, portland, chemicals CAS No.: 65997-15-1 EC No.: 266-043-4	LD50 dermal: >2,000 mg/kg (Rabbit)
Flue dust, portland cement CAS No.: 68475-76-3 EC No.: 270-659-9	LD50 dermal: > 2,000 mg/kg

Accute toxicity - oral

Accute toxicity - dermal

Accute toxicity - dermal

Accute toxicity - inhalation

Based on available data, the classification criteria are not met

Based on available data, the classification criteria are not met

Skin corrosion/irritation Causes skin irritation

Thick, Bitumen Waterproof Coating (Part B - Powder)

Serious eye damage/irritation Causes serious eye damage

Respiratory or skin sensitisation

Germ cell mutagenicity

Based on available data, the classification criteria are not met

Based on available data, the classification criteria are not met

Based on available data, the classification criteria are not met

Reproductive toxicity Based on available data, the classification criteria are not met

Specific target organ toxicity
STOT - single exposure
Based on available data, the classification criteria are not met

STOT - repeated exposure Based on available data, the classification criteria are not met

Aspiration hazard Based on available data, the classification criteria are not met

Additional information No data available

11.2 Information on Other hazards No data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity
 12.2. Persistence and degradability
 12.3. Bioaccumulative potential
 12.4. Mobility in soil
 No data available
 No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties No data available

12.7. Other adverse effects No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods Dispose of waste according to applicable legislation

13.1 .**1** Product/Packaging disposal Waste codes/waste designations according to EWC/AVV

Waste code product: 17 01 01 - Concrete Waste code packaging: 17 01 01 - Concrete

Remark Dispose of waste according to applicable legislation

13.1.2 Waste treatment options Waste codes/waste designations according to EWC/AVV

Appropriate disposal / Product: Consult the appropriate local waste disposal expert about waste disposal.

Waste disposal according to directive 2008/98/EC, covering waste and

dangerous waste

Appropriate disposal / Package: Completely emptied packages can be recycled

13.2 Additional informationThe allocation of waste identity numbers/waste descriptions must be carried

out according to the EEC, specific to the industry and process

14. TRANSPORT INFORMATION

General information Not dangerous good in sense of these transport regulations

14.1 UN Number Not relevant
 14.2 UN Proper Shipping Name Not relevant
 14.3 Transportation Hazard Class(es) Not relevant
 14.4 Packing Group Not relevant
 14.5 Environmental Hazards Not relevant

Thick, Bitumen Waterproof Coating (Part B - Powder)

14.6 Special Precautions for User Not relevant14.7 Maritime transport in Bulk Not relevant

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance, Mixture or Article

No data available

15.2 Chemical Safety Assessment No data available

16. OTHER INFORMATION

16.1 Indication of changes No data available16.2 Abbreviations and acronyms No data available

16.3 Key literature references and sources for data

No data available

16.4 Classification for mixtures and used evaluation method according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567:

Substance name	Toxicological information
Cement, portland, chemicals CAS No.: 65997-15-1 EC No.: 266-043-4	LD50 dermal: >2,000 mg/kg (Rabbit)
Flue dust, portland cement CAS No.: 68475-76-3 EC No.: 270-659-9	LD50 dermal: >2,000 mg/kg

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

No data available

16.6 Training advice No data available

16.7 Additional information The information in this safety data sheet corresponds to the best of our

knowledge at the time of printing. The information should give you indications for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product is mixed with other materials, mixed or processed, or subjected to

processing, the information in this safety data sheet, unless expressly stated otherwise, can not be transferred to the new material produced in this way.

Follow instructions for use on the label