

Rev 4.0 - 09 August 2018

PRODUCT CODE - 106

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

Product Identifier

- Product name Newton 106 FlexProof
- Product codes 106

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture Waterproofing of construction joints and movement joints

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 numbers
 Newton Waterproofing systems +44 (0)1732 360095/08:00-17:30 (GMT) Mon-Thur & 08:00-17:00 (GMT) Fri
 National Poisons Information Service (Belfast Centre) Royal Victoria Hospital 0344 892 0111 - only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2. Hazards Identification

- Refer to Section 16 for The explanation of the abbreviations used throughout this MSDS
The full list of Hazard Phrases stated throughout this MSDS

2.1 Classification of the Substance or Mixture Product Identifier

- Classification under CLP EUH208
- Most important adverse effects On the available data the product has no hazard classification. To our knowledge, this product does not present a particular risk, provided it is handled and used in accordance with good occupational hygiene and safety practice

2.2 Label Elements

- Hazard statements EUH208: Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
May cause an allergic reaction
- Signal words N/A
- Hazard pictograms N/A
- Precautionary statements To be handled and used in accordance with good occupational hygiene and safety practice. Wear PPE as Section 8.2, handle and store as Section 7, manage accidental release as Section 6 and follow the instructions in the Data Sheet

2.3 Other Hazards

- PBT / vPvB This product is not identified as a PBT / vPvB substance
- Other Hazards No other hazards

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SECTION 3. Composition/information on ingredients

3.2 Mixture

This product is a mixture

Hazardous Substances

Chemical name	CAS	EINECS	REACH Registration Number	Percentage	Classification
Trimethoxyvinylsilane	2768-02-7	220-449-8	01-2119513215-52	1-5% (w/w)	Flam Liq. 3: H226 Acute Tox. 4: H332

Additional information

Contains tin organic constituents

NB

Please refer to Section 8 Personal Protection / Exposure Controls and to Section 16 for the full text of H and EUH Phrases

SECTION 4. First Aid Measures

4.1 Description of First Aid Measures

- General
Never give anything by mouth to an unconscious person. If you feel unwell or in case of an accident, seek medical advice, taking this MSDS to show the doctor
- Skin contact
Wash immediately with plenty of water and soap. If skin irritation or rash occurs seek medical advice
- Eye contact
Immediately flush eyes with water for at least 15 minutes holding eyelids apart. Remove contact lenses if present and easy to do so, then continue rinsing. If eye irritation persists, seek medical advice / attention
- Ingestion
Wash out mouth with water immediately and drink large quantities of water in little sips (dilution effect). Do not induce vomiting without medical advice. No administration in cases of unconsciousness or cramps. Immediately get medical advice / attention if the you feel unwell
- Inhalation
Remove person to fresh air and keep at rest, warm, comfortable and breathing. Seek medical advice / attention if you feel unwell

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- General
The product is not expected to present a significant hazard under anticipated conditions of normal use and following the recommendations in Sections 6, 7 and 8 of this MSDS
- Skin contact
NDA
- Eye contact
NDA
- Ingestion
NDA
- Inhalation
NDA
- Delayed / immediate effects
NDA

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- Immediate / special treatment
Notes for doctor: Water to be swallowed in little sips (dilution effect)
Do not induce vomiting, treat symptomatically.
- Other
Eye bathing equipment and First Aid Box should be available
Take this MSDS with you when seeking medical advice

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SECTION 5. Fire-Fighting Measures

- 5.1 Extinguishing Media** Foam, dry powder, carbon dioxide or water fog. Select as required by the surrounding materials, etc. **DO NOT USE HIGH POWER WATER JET**
- 5.2 Special Hazards Arising from the Material** Combustion generates toxic pyrolysis products and carbon oxides (CO₂, CO)
- 5.3 Advice for Firefighters** Select extinguishing materials according to the surrounding area
Use water spray or fog for cooling containers exposed to the fire
Exercise caution when fighting any chemical fire
Collect fire fighting water to prevent from entering the environment
Do not enter the area without wearing proper protective equipment, including breathing apparatus

SECTION 6. Accidental Release Measures

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures** Do not attempt to take action without wearing suitable personal protection, refer to Section 8.2 of the MSDS
Evacuate unnecessary personnel. If outside do not approach from downwind. If outside keep bystanders and passing persons upwind and away from the danger point. Mark out the contaminated area with signage and prevent access by unauthorised persons
Turn leaking containers leak-side up to prevent the escape of material, and place in a leak proof labelled container
- 6.2 Environmental Precautions** Prevent the product from entering drains or watercourses (refer to Section 11). Contain the spillage using bunding
- 6.3 Methods and Materials for Containment and Cleaning Up** Clean-up should ONLY be dealt with by a qualified person familiar with the specific product
Large spillages should be contained by bunding, absorbed with liquid-binding material (e.g. sand, diatomaceous earth or universal binding agents) and carefully transferred into a sealable impervious container.
Remnants from large spillages and small spillages should be absorbed as above and transferred into a sealable impervious container.
The containers to be labelled and held for disposal as Section 13
- 6.4 Reference to Other Sections** Refer to Sections 7 (safe handling & storage), 8 (personal protection and 13 (disposal) of the MSDS

SECTION 7. Handling and Storage

- 7.1 Precautions for Safe Handling**
- a. Safe handling No special precautions needed
Avoid direct contact with the material. Ensure there is sufficient ventilation of the area.
Do not eat, drink or smoke when handling. Wash hands after using the material
- b. Prevention of handling incompatible substances or mixtures Do not handle other substances or mixtures at the same time. Keep away

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from other substances and mixtures

c. Operations and conditions that could create new risks

Do not allow opened, part used or the container in use to come into contact with other materials including all surfaces around. Ensure the containers are securely sealed during transport and storage in vehicles

d. Reduce risk of release to the environment

Ensure the floor at storage, transport and the work location will not allow access to drains or water courses. Lay heavy gauge plastic sheeting or similarly impervious protective covering. Contain and clean up spillage as Section 6.3 of the MSDS

7.2 Conditions for Safe Storage, Including Any Incompatibilities

a. Storage class

10: Combustible liquids unless LGK 3A or 3B

b. Storage conditions

Store in a well ventilated area between +5°C and 35°C. Only store in original containers. Keep container tightly closed. The floor of the storage area to be impermeable to prevent the escape of spillage

c. Control of the effects of weather, ambient pressure, temperature, sunlight, humidity and vibration

Protect from freezing, frost, heat and direct sunlight
Ensure containers are securely closed against vibration spillage during transport when loading / unloading vehicles, during transport and moving from vehicle to the work location. Unopened containers to be protected against damage during the same movements

d. Storage with other substances and mixtures

Store in the original packaging. Store in outer containers against falling / touching other materials and in an allocated location

e. Storage room design, quantity limits, ventilation and packaging compatibilities

Storage room to be dry, ventilated, and constructed to have impermeable floors and walls to prevent the escape of spillages into the environment

f. Other considerations

Use of the stock must be by manufacturing date or expiry date rotation. Containers past their expiry date must be removed for disposal according to Section 13 of the MSDS. No other data available

7.3 Specific End Use(es)

Waterproofing of construction joints and movement joints

SECTION 8. Personal Protection/Exposure Control

8.1 Control Parameters

Workplace Exposure Limits (WEL)

Taken from the HSE EH40 Table: no limit stated = not on EH40
if no 15 min STEL use 3x TWA

Comments Key

Carc: Capable of causing cancer and / or heritable genetic damage

Sen: Capable of causing occupational asthma

Sk: Can be absorbed through the skin, assigned here to substances for which there are concerns that dermal absorption will lead to systematic toxicity

Substance	Long-term exposure limit (8hr TWA reference period)		Short-term exposure limit (15 minute reference period)		Comments
	ppm	mg / m ³	ppm	mg / m ³	
Trimethoxyvinylsilane CAS No. 2768-02-7	-	-	-	-	The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to substances identified in IOELV Directives Not listed on the HSE EH40 Table

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DNEL / PNEC

Other information

NDA

Does not contain substances above concentration limits resulting in an occupational exposure limit

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls

Engineering / technical measures and the application of safe working methods to take priority over the reliance on personal protection equipment.

Ensure there is sufficient ventilation in the area, including forced ventilation if necessary or in an enclosed space. The floor must be impermeable to prevent the escape of liquids, laying impermeable protective covering if in doubt.

Isolate the work area with warning signage against unauthorised access. Ensure all other persons are pre-notified of the works and remain clear of the work area.

Do not eat, drink or smoke during stirring or use of the product. Wash hands with soap and water before eating, drinking or smoking and when leaving the work site for natural breaks, break times and leaving at end of the working day.

The minimum standard for preventative measures while handling and working with the material are specified in the TRGS 500 Regulations

8.2.2 Personal Protective Equipment

a. Eye / face protection

Tightly fitting safety goggles or safety glasses with side protection EN166. Ensure eye bath facilities are available

b. Skin protection

(i) Hand Protection

To be impermeable and resistant to the product / substance / mixture. Due to missing tests no recommendation to the glove material can be given. Selection of the glove material to be on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC, this being repealed by EU 2016/425 on 21/04/2018, and the resultant standard EN 374

The selection of the suitable gloves does not only depend upon the material, but also further marks of quality and varies from manufacturer to manufacturer

Break through, and other characteristics, depending upon material density and the glove type, and must be determined in each case

Gloves must be inspected prior to each time used and must be replaced when damaged or worn out

Impervious gloves, chemical resistant

Penetration time of gloves

Breakthrough time of the glove material > 4 hours

(ii) Other

Protective clothing, waterproof if splashing occurs

Good hygiene measures should be followed at all time

c. Respiratory protection

N/A

d. Thermal hazards

NDA regarding information additional to Section 7

SECTION 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

• Appearance

(i) Form

Viscous liquid

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(ii) Colour	Grey appearance
• Odour	Characteristic odour
• Odour threshold	NDA
• pH	NDA
• Melting point/range °C	270°C
• Freezing point/range °C	NDA
• Initial boiling point/range °C	NDA
• Flash point °C	107°C
• Relative evaporation rate (butylacetate=1)	NDA
• Flammability (solid, gas)	NDA
• Flammability limits, lower %	NDA
• Flammability limits, upper %	NDA
• Auto flammability °C	NDA
• Decomposition temperature	NDA
• Explosive properties	NDA
• Explosivity:	Not explosive
Lower explosion limit	Not explosive
Upper explosive limit	Not explosive
• Oxidising properties	Not oxidising
• Vapour pressure	NDA
• Evaporation rate	NDA
• Relative vapour density at 20°C	1.486 g/m ³
• Relative density	NDA
• Solubility in water	Not miscible
• Partition coefficient n-octanol/water	NDA
• Also soluble in	NDA
• Fat solubility	NDA
• Viscosity, kinematic	NDA
• Viscosity, dynamic	NDA
• Solvent separation test	NDA
• Solvent content	0.00%
• VOC g/l	NDA
9.2 Other Information	NDA

SECTION 10. Stability and Reactivity

10.1 Reactivity	Stable under recommended transport or storage conditions
10.2 Chemical Stability	Stable under recommended transport or storage conditions and when protected against the materials or conditions listed below
10.3 Possibility of Hazardous Reactions	No dangerous reactions known
10.4 Conditions to Avoid	Heat, moisture
10.5 Incompatible Materials to Avoid	Avoid contact with acids, reducing agents, oxidising agents, alkalis

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10.6 Hazardous Decomposition Products

Combustion can generate: Pyrolysis products, carbon oxides (CO, CO₂)

10.7 Additional information

NDA

SECTION 11. Toxicological Information

11.1 Information on Toxicological Effects

- The mixture (FlexProof X1) NDA
- Acute toxicity

Hazardous ingredients

None

Hazardous Ingredient	Test			Result
Trimethoxyvinylsilane	Oral	Rat	LD50	7,130 mg/kg
CAS No. 2768-02-7	Oral	Rabbit	LD50	3.260 mg/kg

Specific symptoms in laboratory animals

None

Relevant hazards for product

NDA

Excluded hazards for product

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	NDA
Acute toxicity (ac. tox. 3)	-	NDA
Acute toxicity (ac. tox. 2)	-	NDA
Acute toxicity (ac. tox. 1)	-	NDA
Skin corrosion / irritation	-	Not corrosive Slightly irritant but not relevant for classification
Serious eye damage/irritation	-	Slightly irritant but not relevant for classification
Respiratory/skin sensitisation	-	Not an irritant
Germ cell mutagenicity	-	No indications of human germ cell mutagenicity exist
Carcinogenicity	-	No indications of human carcinogenicity exist
Reproductive toxicity	-	No indications of human reproductive toxicity exist
STOT single exposure	-	NDA
STOT repeated exposure	-	NDA
Aspiration hazard	-	NDA

Other observations

None

Symptoms / routes of exposure

Refer to Section 4 of this MSDS

SECTION 12. Ecological Information

12.1 Ecotoxicity

- The mixture (FlexProof X1) NDA
- Acute aquatic toxicity NDA
- Chronic aquatic toxicity NDA

12.2 Persistence and Biodegradability Not easily biodegradable (according to OECD criteria)

12.3 Bioaccumulative Potential No indication of bioaccumulation potential

12.4 Mobility in Soil NDA

12.5 Results of PBT & vPvB Assessment This mixture does not meet the PBT criteria of REACH regulation

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12.6 Other Adverse Effects

This mixture does not meet the vPvB criteria of REACH regulation

None known

Do not release into drains, water sources, aquatic environment, soil/subsoil

SECTION 13. Disposal Considerations

13.1 Waste Treatment Methods

- Recovery operations
Treat as Section 6: Accidental Release Measures
- Disposal operations
FlexProof X1 must not be discharged directly into drains, waterways or the soil / subsoil and the foil bags and mastic tubes should be assumed to not be able to be cleaned. Transfer to suitable sealable container(s) and arrange for collection by a specialist disposal organisation for disposed as controlled waste under local, national or EC Regulations
If able to be fully cleaned, the plastic tubs containing the foil bags can be recycled. If not able to be cleaned dispose as controlled waste as above under local, national or EC Regulations
- Waste code number
The material 109-LM: 20 01 27* - paint, inks, adhesives and resins containing dangerous substances
Packaging containing remnants: 15 01 10* - packaging containing residues of or contaminated by dangerous substances
Cleaned plastic tubs: 15 01 02 - plastic packaging
- Disposal of packaging
Contaminated containers: Dispose as controlled waste
Cleaned containers: Cut to ensure no unauthorised use and recycle as plastic waste
- Special precautions for the disposal method
Ensure substances or mixtures are not mixed with other materials and not held in the same outer container with other materials
- NB
The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

SECTION 14. Transport Information

- 14.1 UN Number
The product is not classified as hazardous for transport
- 14.2 UN Proper Shipping Name
N/A
- 14.3 Transportation Hazard Class(es)
N/A
- 14.4 Packing Group
N/A
- 14.5 Environmental Hazards
N/A
- 14.6 Special Precautions for User
 - Land transport (ADR/RID)
Not a hazardous material with respect to these transportation regulations
Transport category
N/A
Special provisions
N/A
Tunnel restriction code
N/A
Limited quantity
N/A
 - Sea transport
Not a hazardous material with respect to these transportation regulations
Special provisions
Materials to avoid: Oxidising agents
See Section 10.5 - Incompatible materials
 - EmS No.
N/A
 - MFAG
N/A
 - Marine pollutant
N/A
 - Limited quantity
N/A

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- Air transport (ICAO-TI / IATA-DGR) Not a hazardous material with respect to these transportation regulations
- Limited quantity N/A

14.7 Transport in Bulk According to:

- (i) Annex II of Marpol 73/78 N/A
- (ii) the IBC Code N/A

SECTION 15. Regulatory Information

Labelling

- Hazardous components(s) for labelling
Trimethoxyvinylsilane
- Special labelling of particular preparations contained
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, CAS No 41556-26-7: May cause an allergic reaction. Safety data sheet available for professional user on request

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

COMMISSION REGULATION (EU) No 2015/830 of 28/05/2015 amending Regulation (EC) No 1907/2006 and repealing (EU) 453/2010 20 May 2010 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

- Other regulations, limitations and prohibitive regulations
 - 1999/13/EC (VOC-guideline) Volatile organic compounds (VOC) in percentage by weight: 0.0%
 - (EC) 2037/2000 Materials which cause damage to the ozone layer: None
 - (EC) 648/2004 Detergents regulations: None

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out

SECTION 16. Other Information

Other Information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

Phrases Used in Sections 2 & 3

EU 208.2: Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May cause an allergic reaction
H226: Flammable liquid and vapour
H332: Harmful if inhaled

Notice

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties. 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

Abbreviations & Acronyms

Acute Tox. 4: Acute Toxicity, Hazard Category 4
Flam Liq. 3: Flammable Liquid, Hazard Category 3
Hazard Categories: 1 & 2: Fatal, 3: Toxic, 4: Harmful, 5: May be harmful
ADR / RID: agreement on road transport of dangerous goods / regulations of the international transport of dangerous goods by rail
CAS: Chemical Abstracts Service (division of the American Chemical Society)

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CLP: EU Regulation 1272/2008: Classification, Labelling & packaging of chemical substances
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Level (REACH)
EINECS: European Inventory of Existing Commercial Chemical Substances
HSE: (UK) Health & Safety Executive
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association"
IBC Code: International Building Code (for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk)
ICAO: International Civil Aviation Organisation
LD50: Lethal dose, 50 percent affected
MARPOL: International Convention for the Prevention of Pollution from Ships
MSDS: Material Safety Data Sheet
N/A: Not Applicable
NDA: No Data Available
OECD: Organisation for Economic Co-operation and Development
PBT: Persistent, Bioaccumulative and Toxic substances
vPvB: Very Persistent and very Bioaccumulative substances
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals: Regulation (EC) No 1907/2006
STEL: Short Term Exposure Limit
STOT RE: Specific target organ toxicity (from) repeated exposure
STOT SE: Specific target organ toxicity
TWA: Time Weighted Averages
VOC: Volatile organic compounds

Changes Compared to the Previous Version

Section	Item	Change	Comment (none = read all)
	Change table	Added	
All	All	Full re-write	Read the entire document