System 900

NEWTON 916 FLEXPROOF PRIMER

Primer for 106 FlexProof

Rev 2.1 - 7 April 2020

PRODUCT CODE - 916

1. Identification of the substance/mixture and of the company/undertaking

Product Identifier

- Product name: Newton 916 FlexProof Primer
- Product code: 916

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture: Primer for sealant

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

- 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: Flam. Liq. 3 H226 Flammable liquid and vapour
  Acute Tox. 4 H312 Harmful in contact with skin
  Skin Irrit. 2 H315 Causes skin irritation
  Acute Tox. 4 H332 Harmful if inhaled
- Most important adverse effects: Harmful in contact with skin, harmful if inhaled and causes skin irritation

2.2 Label Elements

- Hazard statements:
  H226 Flammable liquid and vapour
  H312 Harmful in contact with skin
  H315 Causes skin irritation
  H332 Harmful if inhaled
- Signal words: Warning
- Hazard pictograms: GHS02 GHS07

- Precautionary statements:
  P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
  P261 Avoid breathing dust/fume/gas/mist/vapours/spray
  P280 Wear protective gloves/protective clothing/eye protection/face protection
  P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
  P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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P403+P235 Store in a well-ventilated place. Keep cool
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations

2.3 Other Hazards

- PBT / vPvB — This product is not identified as a PBT / vPvB substance
- Other Hazards — Tactile warning applicable to the general public

3. Composition/information on ingredients

3.2 Mixture — A mixture of the substances listed below with nonhazardous additions

Hazardous Substances

Chemical name	CAS	EINECS	REACH Registration Number	Percentage	Classification
Xylene	1330-20-7	215-535-7	01-2119488216-32-xxxx	10 to <30	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	265-185-4	01-2119458049-33-xxxx	1 to < 5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411

- Additional Information — Refer to section 16 for wording for these Hazard Phrases

4. First aid measurers

4.1 Description of First Aid Measures

- General information — Immediately remove any clothing soiled by the product
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident
- Inhalation — Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist
  In case of unconsciousness place patient stably in side position for transportation
- Skin contact — Immediately wash with water and soap and rinse thoroughly
- Eye contact — Rinse opened eye for several minutes under running water. Remove contact lenses, if present and able to do so, and irrigate as above. Consult a doctor
- Ingestion — If symptoms persist consult doctor

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No further relevant information available

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No further relevant information available

5. Firefighting measures

5.1 Extinguishing Media — CO_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam

Do not use water with full jet

5.2 Special Hazards Arising from the Material

No further relevant information available

5.3 Advice for Firefighters — Mouth and nose respiratory protection. Wear protective clothing to prevent contact with skin and eyes

6. Accidental release measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Refer to Section 8.2 of the MSDS for personal protection details

Ensure adequate ventilation

6.2 Environmental Precautions — Do not allow to enter sewers/ surface or ground water

6.3 Methods and Materials for Containment and Cleaning Up

Ensure adequate ventilation

Using liquid-binding material, bund the spillage area and absorb the spillage (sand, diatomite, acid binders, universal binders, sawdust)

Pick up mechanically and place in a sealed, labelled container

Dispose contaminated material as waste according to Section 13

6.4 Reference to Other Sections — See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information

7. Handling and storage

7.1 Precautions for Safe Handling

a. Safe handling

Wear personal protection as Section 8.2

Ensure good ventilation/exhaustion at the workplace

If ventilation is forced, only exhaust safely away from other persons and not into confined spaces

Do not use in confined spaces without wearing mouth and nose protection to minimum filter A1 and with forced ventilation

Prevent formation or spread of mist / aerosols in the air

Do not eat, drink or smoke when handling. Wash hands after using the material

b. Information about fire - and explosion protection

Keep ignition sources away - Do not smoke

Protect against electrostatic charges

c. Prevention of handling incompatible substances or mixtures

Do not handle other substances or mixtures at the same time. Keep away from other substances and mixtures

d. 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 tightly sealed during transport, storage in vehicles and at the workplace when not in use

7.2 Conditions for Safe Storage, Including Any Incompatibilities

a. Storage

Store in a cool, well ventilated area. Only keep in original container. Keep containers tightly closed, especially part used containers. The floor of the storage area to be impermeable to prevent the escape of spillage / liquids

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

Ensure opened containers are not decanted into other containers and are tightly sealed for storage and against vibration spillage during transport when loading / unloading vehicles, during transport and when moving from vehicle to the work location

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Unopened containers to be protected against damage during the same movements

c. Storage with other substances and mixtures

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

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

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

e. 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)

Primer for sealant

8. Exposure controls/personal

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 / m³	ppm	mg / m³	The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to substances identified in IOELV Directives
Xylene CAS No. 1330-20-7	50	220	100	441	Sk: BMGV

Ingredients with biological limit values

Substance	Type	Test
Xylene CAS 1330-20-7	BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

Additional information

Test results taken during manufacture of the product were used as the basis

DNEL / PNEC

NDA

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls

Ensure there is sufficient ventilation in the area, including forced ventilation if necessary or in an enclosed space. Ensure lighting and electrical equipment are not a source of ignition. Ensure all engineering measures mentioned in Section 7 of the MSDS are in place

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

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

	Do not inhale gases / fumes / aerosols.
	Avoid contact with the skin.
	Avoid contact with the eyes and skin
8.2.2 Personal Protective Equipment	
a. Eye / face protection	Tightly sealed goggles, EN166, with Face Fit certification
	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
	The glove material must be impermeable and resistant to the product
	Impermeable gloves; Nitrile rubber, Acrylonitrile Butadiene Rubber, EN 374
	Recommended thickness of the glove material: ≥0.35 mm
Penetration time of gloves	Breakthrough time of the glove material > 8 hours
(ii) Other	Impermeable protective clothing
	Good hygiene measures should be followed at all time
c. Respiratory protection	Brief exposure & low pollution: wear mouth & nose mask with minimum AI filter
	Intensive or longer exposure: wear self-contained respiratory protective device
d. Thermal hazards	See Sections 7.1.b, keep away from sources of ignition and protect against electrostatic charges
e. Environmental	Refer to specific Member State legislation for requirements under Community environmental legislation

9. Physical and chemical properties

9.1 Information on Basic Physical and Chemical Properties

• Appearance	
(i) Form	Liquid
(ii) Colour	Various
• Odour	Characteristic odour
• Odour threshold	NDA
• pH	NDA
• Melting point/range °C	NDA
• Freezing point/range °C	NDA

• Initial boiling point/range °C	NDA
• Flash point/self-ignition °C	23/60°C
• Evaporation rate	NDA
• Flammability (solid, gas)	N/A
• Flammability limits, lower %	NDA
• Flammability limits, upper %	NDA
• Ignition temperature	500°C
• Auto flammability °C	The product is not self igniting
• Decomposition temperature	NDA
• Explosive properties	The product is not explosive. However, formation of explosive air / vapour mixtures are possible
• Explosion limits, lower	1.1 Vol %, undetermined
• Explosion limits, upper	7 Vol %, undetermined
• Oxidising properties	NDA
• Vapour pressure	NDA
• Vapour density	NDA
• Density at 20°C	0.93 g/cm^3
• Relative density	NDA
• Solubility in water	Not miscible or difficult to mix
• Partition coefficient n-octanol/water	NDA
• Also soluble in	NDA
• Viscosity, dynamic	NDA
• Viscosity, kinematic	NDA
• Solvent content, VOC (EC)	27.48%
• Solvent content, VOC (EC)	255.6 g/l
9.2 Other Information	No further relevant information available

10. Stability and reactivity

10.1 Reactivity	No further relevant information available
10.2 Chemical Stability - thermal decomposition / conditions to avoid	
	No decomposition when used according to the specifications / data sheet Stable under recommended transport, storage and usage conditions and when protected against the materials or conditions listed below
10.3 Possibility of Hazardous Reactions	No dangerous reaction known
10.4 Conditions to Avoid	Sources of ignition. Do not smoke. Protect against electrostatic charges
10.5 Incompatible Materials to Avoid	No further relevant information available
10.6 Hazardous Decomposition Products	No dangerous decomposition products known

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11. Toxicological information

11.1 Information on Toxicological Effects

- Acute toxicity — Harmful in contact with skin or if inhaled

Hazardous ingredients

Hazardous Ingredient	Test			Result
Xylene CAS No 1330-20-7	Oral	Rat	LD50	4,300 mg/kg
	Dermal	Rabbit	LD50	1,100 mg/kg
	Inhalative	Rat	LC50 / 4 hr	1.5 ml/l

Relevant hazards for product

Hazard	Affect
Skin corrosion / irritation	Causes skin irritation

Excluded hazards for product

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	Based on available data the classification criteria is not met
Acute toxicity (ac. tox. 3)	-	Based on available data the classification criteria is not met
Acute toxicity (ac. tox. 2)	-	Based on available data the classification criteria is not met
Acute toxicity (ac. tox. 1)	-	Based on available data the classification criteria is not met
Serious eye damage / irritation	-	Based on available data the classification criteria is not met
Respiratory/skin sensitisation	-	Based on available data the classification criteria is not met
Germ cell mutagenicity	-	Based on available data the classification criteria is not met
Carcinogenicity	-	Based on available data the classification criteria is not met
Reproductive toxicity	-	Based on available data the classification criteria is not met
STOT single exposure	-	Based on available data the classification criteria is not met
STOT repeated exposure	-	Based on available data the classification criteria is not met
Aspiration hazard	-	Based on available data the classification criteria is not met

Symptoms / routes of exposure — N/A

12. Ecological information

12.1 Ecotoxicity — No further relevant information available

12.2 Persistence and Biodegradability — No further relevant information available

12.3 Bioaccumulative Potential — No further relevant information available

12.4 Mobility in Soil — No further relevant information available

Additional ecological information — Hazardous for water. Do not allow product to reach ground water, water courses or sewage systems

Danger to drinking water if even small quantities leak into the ground

12.5 Results of PBT & vPvB Assessment — This product is not identified as a PBT/vPvB substance

12.6 Other Adverse Effects — No further relevant information available

13. Disposal considerations

13.1 Waste Treatment Methods

- Recovery operations — Treat as Section 6: Accidental Release Measures. Recovery is not applicable
- Disposal method for material — Transfer to a suitable closed container for storage / isolation and arrange for

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collection by a specialist disposal organisation. The closed containers to be labelled with the contents

- Disposal of packaging — **Must not wash out**
  Treat the same as disposal of the material, see above
- Waste code number — The product: 08 01 11* - waste paint and varnish containing organic solvents or other hazardous substances
  Packaging - metal container: Treat as the product
- 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

14. Transport information

14.1 UN Number
- ADR, IMDG, IATA — UN1263

14.2 UN Proper Shipping Name
- ADR — 1263 PAINT
- IMDG, IATA — PAINT

14.3 Transportation Hazard Class(es)
- ADR, IMDG, IATA

- Class — **3 Flammable liquids**
- Label — 3

14.4 Packing Group
- ADR, IMDG, IATA — **III**

14.5 Environmental Hazards — **N/A**

14.6 Special Precautions for User
- Special precautions — Warning: Flammable liquids
- Danger Code (Kemler) — 30
- EMS Number — F-E,S-E
- Stowage / Transport category — A

14.7 Transport in Bulk According to:
- (i) Annex II of Marpol — N/A
- (ii) the IBC Code — N/

14.8 Transport / additional information
- ADR, IMDG
  - Limited quantities (LQ) 5L
  - Excepted quantities (EQ) — Code: E1
    Maximum net quantity per inner packaging: 30ml
    Maximum net quantity per outer packaging: 1,000ml
  - Transport category — 3
  - Tunnel restriction code — D/E
- UN "Model Regulation" — UN 1263 PAINT, 3, III

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15. Regulatory information

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

15.2 Other regulations, limitations and prohibitive regulations

Directive 2012/18/EU:

- Named dangerous substances - ANNEX 1
  None of the ingredients are listed
- Seveso category
  P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements:
  5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements:
  50,000 t
- REGULATION (EC) No. 1907/2006 ANNEX XVII
  Conditions of restriction: 3, 40

15.3 Chemical Safety Assessment A chemical safety assessment has not been carried out

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

H226: Flammable liquid and vapour
H304: May be fatal if swallowed and enters airways
H312: Harmful in contact with skin
H315: Causes skin irritation
H332: Harmful if inhaled
H336: May cause drowsiness or dizziness
H411: Toxic to aquatic life with long lasting effects

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
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

(continued)

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BMGV: Biological Monitoring Guidance Values
CAS: Chemical Abstracts Service (division of the American Chemical Society)
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
Flam. Liq. 3: Flammable liquids, Hazard Category 3
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
HSE: (UK) Health & Safety Executive
IATA: International Air Transport Association
IMDG: International Maritime Code for Dangerous Goods
IOELV: Indicative Occupational Exposure Limit Values
Irrit.: Irritation
LC50: Lethal concentration, 50 percent affected
LD50: Lethal dose, 50 percent affected
MSDS: Material Safety Data Sheet
N/A: Not Applicable
NDA: No Data Available
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
Sens.: Sensitisation
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
STEL: Short Term Exposure Limit
STOT RE: Specific target organ toxicity (from) repeated exposure
STOT SE 3: Specific target organ toxicity-Single exposure, Hazard Category 3
Tox.: Toxicity
TWA: Time Weighted Averages
VOC: Volatile Organic Compounds (USA, EU)

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