

System 800

NEWTON 802-DPM

Damp Proof Membrane

Rev 1.0 - 10 January 2019

PRODUCT CODE - 802

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

Product Identifier

- Product name Newton 802-DPM
- Product code 802

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture Damp proof membrane below concrete floors or screeds where no ground water pressure is expected

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 360 095: 08:00/17:30 (GMT) Mon-Thur & 08:00/17:00 (GMT) Fri

SECTION 2. Hazards Identification

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

2.1 Classification of the Substance or Mixture Product Identifier

- Classification under CLP Not hazardous to health when stored, handled and used in compliance with the User Data Sheet and the following sections here
- Most important adverse effects If in a fire, melted material may adhere to skins and cause burns

2.2 Label Elements

- Hazard statements N/A
- Signal word N/A
- Hazard pictograms N/A
- Precautionary statements LDPE dust concentrations can be combustible, handle and work against dust creation. Secondary operations such as grinding, sanding or sawing can produce combustible dust
Care to be taken when forming to install against cuts to self or others
Skin or eye contact with hot material can cause thermal burns
Supplied in 23kg to 28kg rolls, care to be taken against Manual Handling injuries
During wet and freezing weather conditions the surface of the DPM membrane may become slippery to foot traffic

2.3 Other Hazards

- PBT / vPvB NDA, no classification on ECHA / REACH
- Other Hazards NDA

SECTION 3. Composition/information on ingredients

3.2 Mixture

This product is a mixture

Hazardous Substances

Chemical name	CAS	EINECS	REACH Registration Number	Percent- age	Classification according to Regula- tion (EC) No. 1272/2008 (CLP)
Ethene, homopolymer - recycled LDPE (Low Density Polyethylene)	9002- 88-4			98- 100%	N/A
Masterbatch for colouration (single substance)	(included for completeness)			0-2%	N/A

- Additional information NDA
- NB Please also refer to SECTION 8 Personal Protection / Exposure Controls

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, seek medical advice, taking this SDS to show the doctor.
- Skin contact Wear protective gloves as SECTION 8, use barrier cream against dermic symptoms. Wash hands after use
- Eye contact Do not rub. Immediately flush eyes with water for at least 15 minutes holding the eyelids open. Remove contact lenses if present and easy to do so, then continue to rinse for 15 minutes. If eye irritation persists, seek medical advice / attention
- Ingestion Although the product described above is regarded as inert, other polythene films may contain additives that may be harmful and ingestion is not recommended. In the unlikely event of accidental ingestion of polythene film, flake or dust, seek medical attention
- Inhalation Operations such as grinding, sanding or sawing, and possibly also when moving, can produce dust. Ventilate the area. Remove person from the contaminated place to rest in fresh air and keep comfortable and breathing. Loosen tight clothing such as collar, tie, belt or waistband. Get medical advice / attention if adverse health effects persist or are severe

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- 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 NDA

SECTION 5. Fire-Fighting Measures

- 5.1 Flammability** When polythene is heated, melting will occur at 115°C - 150°C. Decomposition will commence at about 300°C. When heated above this temperature in poorly ventilated areas, polythene films will produce carbon monoxide and a small amount of various hydrocarbons and aldehydes. These gases may ignite and cause combustion, molten polythene flows freely and could ignite other flammable materials in close proximity. The smoke from extinguished fires will still contain appreciable quantities of carbon monoxide, acrolein and other toxic aldehydes
- 5.2 Explosive properties** High dust concentrations have a potential for combustion or explosion.
Dust explosion data: minimum ignition temperature 400°C
Flash point: above 300°C decomposition occurs and a flash of fumes may occur
- 5.3 Extinguishing Media** Dry powder, carbon dioxide, foam, water spray
- 5.4 Unsuitable extinguishing media** DO NOT use direct water jets in the early stages of extinguishing a fire as this may help to spread the flames. DO NOT use water extinguishers in close proximity to live electrical installations
- 5.5 Special Hazards Arising from the Material** Combustion products may include carbon monoxide and small quantities of various hydrocarbons and aldehydes
- 5.6 Advice for Firefighters** Isolate the affected area
All persons to be immediately removed from the vicinity of the fire. Fire to be dealt with by trained personnel and without involving personal risk
The method of extinguishing the fire and the extinguishing agent used to also be appropriate to the local circumstances and environment
Use water spray or fog for cooling product exposed to the fire. Exercise caution when fighting any chemical fire
Collect the fire fighting water separately. Prevent from entering the environment, waterways, sewers and drains, alert the Environmental Agency if this occurs
Do not enter the area without wearing self-contained positive pressure self contained breathing apparatus and full turnout personal protection

SECTION 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- Non-emergency personnel Do not attempt to take action without wearing suitable personal protection, refer to SECTION 8.2 of the SDS
Do not touch or walk through the spilled material. Avoid inhalation of vapour or mist - ensure adequate ventilation. Wear respiratory protection if ventilation is inadequate EU EN 143
 - Emergency personnel Evacuate unnecessary personnel and those not wearing the suitable protection. 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
Ensure adequate ventilation, including forced ventilation if in an internal space and necessary, vent externally to be safely away from other persons and the general public
Avoid inhalation of vapours, wear respiratory protection as SECTION 8.2
- 6.2 Environmental Precautions** Prevent the product from entering drains, sewers or watercourses (refer to

SECTION 11). Contain the spillage using bunding

Alert the Environmental Agency in the event of product, fire fighting water, etc entering water ways, sewers or drains

6.3 Methods and Materials for Containment and Cleaning Up

Re-stack usable product on pallet or in bin. Sweep up any cuttings, place these and any unusable remnants into waste container for disposal as SECTION 13

6.4 Reference to Other Sections

Refer to SECTIONS 8 (Personal Protection / Exposure Controls), 12 (Ecological Information) and 13 (Disposal Consideration) of the SDS

SECTION 7. Handling and Storage

7.1 Precautions for Safe Handling

a. Safe handling

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

Avoid contact with naked flame or other ignition sources

Do not create dust particulates from the material. Operations such as grinding, sanding or sawing, and possibly also when moving, can produce dust. If this occurs, isolate the area, allow the dust to settle and carefully Hoover up (do not sweep against dust migration into the air)

The material is a static accumulator; handle, store and use against this happening

b. 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

Store and transport away from inflammable materials

c. Operations and conditions that could create new risks

NDA

d. Reduce risk of release to the environment

NDA

7.2 Conditions for Safe Storage, Including Any Incompatibilities

a. Storage conditions

Store under cool, dry conditions and protect from extremes of temperature such as freezing and direct heat

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

Protect from freezing, frost, heat and direct sunlight. Keep away from sources of ignition, open flames or excessive heat

c. Storage with other substances and mixtures

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

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

Storage room to be dry, cool and well ventilated

e. Other considerations

Ensure identification labelling is visible at all times. Use of stock is to be by manufacturing date. Where shelf life or expiry dates are stated, older stock must be removed for disposal according to SECTION 13 of the SDS.

7.3 Specific End Use(es)

Damp proof membrane below concrete floors and screeds where no ground water pressure is expected

SECTION 8. Exposure Controls / Personal Protection

8.1 Control Parameters	N/A, not on the HSE EH40/2005 (3rd Edition, published 2018) Workplace Exposure Limits table
8.2 Exposure Controls	
8.2.1 Appropriate Engineering Controls	Do not create LDPE dust, see SECTIONS 7.1 a and 5.1 of the SDS
8.2.2 Personal Protective Equipment	
a. Eye / face protection	Safety glasses with side protection EN166. Ensure eye bath facilities are available
b. Skin protection	
(i) Hand Protection	
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 Gloves to protect against cuts when cutting and forming the DPM and abrasions, and to be suitable for protection against mortar if also laying brickwork, block-work, etc
Penetration time of gloves	N/A regarding the 802-DPM
(ii) Other	Protective clothing Safety shoes / boots Good hygiene measures should be followed at all time
c. Respiratory protection	N/A, unless required by other activities or if dust is created
d. Thermal hazards	N/A, unless LDPE dust is created (see SECTIONS 7.1 a and 5,1 of the SDS)

SECTION 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

• Appearance	
(i) State	Solid sheet in roll form
(ii) Colour	Black
• Odour	Non-distinguishable
• Odour threshold	N/A
• pH	N/A
• Melting point/range °C	115°C - 150°C
• Freezing point/range °C	N/A
• Initial boiling point/range °C	N/A
• Flash point/self-ignition °C	Above 300°C decomposition occurs and a flash of fumes may occur
• Evaporation rate	N/A

• Flammability (solid, gas)	NDA
• Flammability limits, lower %	NDA
• Flammability limits, upper %	NDA
• Auto flammability °C	350°C
• Decomposition temperature	N/A
• Explosive properties	N/A
• Oxidising properties	N/A
• Vapour pressure	N/A
• Vapour density	N/A
• Relative density	0.92 g/cm ³
• Solubility in water	Insoluble
• Partition coefficient n-octanol/water	NDA
• Also soluble in	NDA
• Viscosity	N/A
• VOC g/l	N/A
9.2 Other Information	N/A

SECTION 10. Stability and Reactivity

10.1 Reactivity	No dangerous reaction known under nor
10.2 Chemical Stability	Chemically stable
10.3 Possibility of Hazardous Reactions	Hazardous polymerization will not occur. LDPE dust may form explosive mixture in air
10.4 Conditions to Avoid	Direct heat / naked flame, strong oxidising agents, creation of LDPE dust
10.5 Incompatible Materials to Avoid	N/A
10.6 Hazardous Decomposition Products	Thermal decomposition products may include carbon monoxide and small quantities of various hydrocarbons and aldehydes

SECTION 11. Toxicological Information

11.1 Information on Toxicological Effects

- Acute toxicity

Hazardous ingredients

Hazardous Ingredient	Test			Result
	Oral	RAT	LD50	
Polyethylene homopolymer				Not determined

Relevant hazards for product

Hazard	Basis
Skin corrosion / irritation	Not classified. Based on the available data the classification criteria is not met Mechanical injury only Molten material may cause serious thermal burns
Serious eye damage / irritation	LDPE dust may cause eye irritation on repetitive or prolonged exposure

Excluded hazards for product

Hazard	Basis
Acute toxicity - oral	Not classified. Based on the available data the classification criteria is not met
Acute toxicity - dermal	Not classified. Based on the available data the classification criteria is not met
Acute toxicity - inhalation	Not classified. Based on the available data the classification criteria is not met
Respiratory hazard	Not classified. Based on the available data the classification criteria is not met
Skin sensitisation	Not classified. Based on the available data the classification criteria is not met
Germ cell mutagenicity	Not classified. Based on the available data the classification criteria is not met
Carcinogenicity	Not classified. Based on the available data the classification criteria is not met
Reproductive toxicity	Not classified. Based on the available data the classification criteria is not met
STOT single exposure	Not classified. Based on the available data the classification criteria is not met
STOT repeated exposure	Not classified. Based on the available data the classification criteria is not met
Aspiration hazard	Not classified. Based on the available data the classification criteria is not met
Delayed / immediate effects	NDA

Other information The product was not tested. The data reported here are based on the information contained in the safety data sheets of the raw materials that make up the product

SECTION 12. Ecological Information

- 12.1 Ecotoxicity** Not biodegradable. Not expected to be harmful to aquatic or terrestrial organisms
- 12.2 Persistence and Biodegradability** Not easily biodegradable
- 12.3 Bioaccumulative Potential** Low potential to be bioaccumulative
- 12.4 Mobility in Soil** Not expected to be mobile in soil
- 12.5 Results of PBT & vPvT Assessment** NDA, no classification on ECHA / REACH
- 12.6 Other Adverse Effects** NDA. Avoid release to the environment

SECTION 13. Disposal Considerations

13.1 Waste Treatment Methods

- Recovery operations Treat as SECTION 6: Accidental Release Measures
- Disposal operations 802-DPM: Recycle or dispose at approved waste collection sites as landfill or incinerate
- Disposal of packaging Paper label and plastic wrapping on delivered rolls: dispose to approved collection sites to be recycled, alternatively as landfill or for energy generation incineration
- Waste code number

802-DPM Roll:	17 02 03
Packaging plastic packaging:	15 01 02
paper packaging:	15 01 01
- Special precautions for the disposal method
N/A

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	None
14.2 UN Proper Shipping Name	Not regulated
14.3 Transportation Hazard Class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazards	Not regulated
14.6 Special Precautions for User	N/A
14.7 Transport in Bulk According to:	
(i) Annex II of Marpol	N/A
(ii) the IBC Code	N/A

SECTION 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 amend 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	NDA
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	N/A
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	CAS: Chemical Abstracts Service (division of the American Chemical Society) CLP: EU Regulation 1272/2008: Classification, Labelling & Packaging of chemical substances ECHA: European Chemicals Agency EINECS: European Inventory of Existing Commercial Chemical Substances HSE: (UK) Health & Safety Executive IBC: International Building Code LD50: Lethal Dose, 50% affected LDPE: Low density polyethylene MARPOL: International Convention for the Prevention of Pollution from ships

NDA: No data available
N/A: Not applicable
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals:
Regulation (EC) No 1907/2006
SDS: Safety Data Sheet
STOT: Specific Target Organ Toxicity

Changes Compared to the Previous Version

1st issue