

System 800

NEWTON 804-DPC

Injection Damp Proofing Cream

Rev 1.0 - 13 March 2018

PRODUCT CODE - 804DPC

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

Product Identifier

- Product name Newton 804-DPC
- Product code 804DPC

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture Injection Damp Proofing Cream

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 H315: Causes skin irritation
H412: Very toxic to aquatic life with long lasting effects
- Most important adverse effects Causes skin irritation. Causes serious eye damage

2.2 Label Elements

- Hazard statements H315 Causes skin irritation
H412 Harmful to aquatic life with long lasting effects
- Signal words Warning
- Hazard pictograms



- Precautionary statements P264: Wash hands and any exposed areas of the body thoroughly after handling
P273: Avoid release to the environment
P280: Wear protective gloves, protective clothing, eye protection with side protection and face protection
P302 + 352: IF ON SKIN: Wash with plenty of soap and water
P321: Specific treatment (see information on this label)
P332 + 313: If skin irritation occurs – Get medical advice/attention
P362: Take off contaminated clothing
P501: Dispose of contents/container to specialist waste disposal. According to local regulations

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2.3 Other Hazards

- PBT / vPvB This product is not identified as a PBT / vPvB substance
- Other Hazards NDA

3. Composition/information on ingredients

3.2 Mixture

This product is a mixture

Hazardous Substances

Chemical name	CAS	EINECS	REACH Registration Number	Percentage	Classification
N-Octyltriethoxysilane	2943-75-1	-	01-2119972313-39	50-70%	H315: Causes skin irritation
Amines, Tallow Alkyl, Ethoxylated	61791-26-2	-	-	<1%	H302: Harmful if swallowed H318: Causes serious eye damage H400: Very toxic to aquatic life H410: Very toxic to aquatic life with long lasting effects
Bronopol (INN)	52-51-7	200-143-0	-	<1%	H302: Harmful if swallowed H312: Harmful in contact with skin H315: Causes skin irritation H318: Causes serious eye damage H335: May cause respiratory irritation H400: Very toxic to aquatic life

Contains

Alkylkoxysilane
Polyoxyethylene Tallow Amine
Bronopol

NB

Please also refer to Section 8 Personal Protection / Exposure Controls

4. First Aid Measures

4.1 Description of First Aid Measures

- Skin contact Remove all contaminated clothes and footwear immediately unless stuck. Wash immediately with plenty of soap and water
- Eye contact Bathe the eye with running water for 15 minutes. Consult a doctor
- Ingestion Wash out mouth with water. Consult a doctor
- Inhalation Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Skin contact There may be irritation and redness at the site of contact

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- Eye contact There may be irritation and redness. The eyes may water profusely
- Ingestion There may be soreness and redness of the mouth and throat
- Inhalation There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing
- Delayed / immediate effects Immediate effects can be expected after short-term exposure

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- Immediate / special attention Eye wash facilities should be available at the place of work

5. Fire-Fighting Measures

5.1 Extinguishing Media Suitable extinguishing media for other materials, etc. in the surrounding fire should be used

5.2 Special Hazards Arising from the Material

In combustion emits toxic fumes

5.3 Advice for Firefighters

Wear self-contained breathing apparatus. 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 of the MSDS for personal protection details.

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 container

6.2 Environmental Precautions

Do not discharge into drains or water courses. Contain the spillage using bunding

6.3 Methods and Materials for Containment and Cleaning Up

Absorb in dry earth or sand. Transfer to a sealable, labelled container for disposal by an appropriate method

6.4 Reference to Other Sections

Refer to Section 8 of the MSDS

7. Handling and Storage

7.1 Precautions for Safe Handling

- a. Safe handling Avoid direct contact with the material. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mist in the air

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 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 transported in closed impervious outer containers during transport and storage in vehicles

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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 6.1 of the MSDS

7.2 Conditions for Safe Storage, Including Any Incompatibilities

a. Storage conditions

Store in a cool, well ventilated area. Keep container tightly closed, part used containers to be stored in a sealed, impervious outer container. 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 in closed impervious outer containers 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

c. 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

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)

Chemical injected damp proof course for retrospective installation

8. Exposure Controls / Personal Protection

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	
N-Octyltriethoxysilane (as Ethanol)	1,000	1,920	3,000	5,760	N/A
Amines, Tallow Alkyl, Ethoxylated	-	-	-	-	N/A

DNEL / PNEC

NDA

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8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls	<p>Ensure there is sufficient ventilation in the area. The floor must be impermeable to prevent the escape of liquids, laying impermeable protective covering if in doubt.</p> <p>Ensure all other persons are notified and remain clear of the work area</p>
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	<p>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</p>
Material of gloves	<p>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</p> <p>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</p> <p>Break through, and other characteristics, depending upon material density and the glove type, and must be determined in each case</p> <p>Gloves must be inspected prior to each time used and must be replaced when damaged or worn out</p> <p>Nitrile gloves</p>
Penetration time of gloves	Breakthrough time of the glove material > 4 hours
(ii) Other	<p>Protective clothing</p> <p>Good hygiene measures should be followed at all time</p>
c. Respiratory protection	Mouth & nose filter face mask, vapour filter AI, or A1P2 if particulates / dust is present. Self-contained breathing apparatus must be available in case of emergency
d. Thermal hazards	NDA

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

• Appearance	
(i) Form	Paste
(ii) Colour	Off-white
• 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	NDA
• Evaporation rate	NDA
• Flammability (solid, gas)	NDA

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- Flammability limits, lower % NDA
- Flammability limits, upper % NDA
- Auto flammability °C NDA
- Decomposition temperature NDA
- Explosive properties NDA
- Oxidising properties NDA
- Vapour pressure NDA
- Vapour density NDA
- Relative density 0.9
- Solubility in water Miscible, will dissolve
- Partition coefficient n-octanol/water NDA
- Also soluble in NDA
- Viscosity Highly viscous
- VOC g/l NDA

9.2 OTHER INFORMATION NDA

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** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to the materials and conditions listed below
- 10.4 Conditions to Avoid** Heat
- 10.5 Incompatible Materials to Avoid** Strong oxidising agents. Strong acids
- 10.6 Hazardous Decomposition Products** In combustion emits toxic fumes

11. Toxicological Information

11.1 Information on Toxicological Effects

- Acute toxicity

Hazardous ingredients

Hazardous Ingredient	Test			Result
Amines, Tallow Alkyl, Ethoxylated	Dermal	Rat	LD50	>1,260 mg/kg
	Oral	Rat	LD50	1,200 mg/kg
Bronopol (INN)	Oral	Mouse	LD50	270 mg/kg
	Oral	Rat	LD50	180 mg/kg
	Dermal	Mouse	LD50	4,750 mg/kg
	Dermal	Rat	LD50	1,600 mg/kg

Relevant hazards for product

Hazard	Route	Basis
Skin corrosion / irritation	Dermal Route Migration	Hazardous: calculated

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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

- Skin corrosion / irritation
There may be irritation and redness at the site of contact.
- Serious eye damage / irritation
There may be irritation and redness. The eyes may water profusely
- Respiratory or skin sensitisation
There may be soreness and redness of the mouth and throat
There may be irritation of the throat with a feeling of tightness in the chest
Exposure may cause coughing or wheezing
- Delayed / immediate
Immediate effects can be expected after short-term exposure

12. Ecological Information

12.1 Ecotoxicity

Hazardous ingredients	Test		Results
Amines, Tallow Alkyl, Ethoxylated	ALGAE	48H EC50	5.2 mg/l
	DAPHINA	96H LC50	0.68-7.4 mg/l

- 12.2 Persistence and Biodegradability Not biodegradable
- 12.3 Bioaccumulative Potential No bioaccumulation potential
- 12.4 Mobility in Soil Readily absorbed in soil
- 12.5 Results of PBT & vPvT Assessment Not identified as a PBT/vPvB substance
- 12.6 Other Adverse Effects Negligible ecotoxicity

13. Disposal Considerations

13.1 Waste Treatment Methods

- Recovery operations
Treat as SECTION 6: Accidental Release Measures
- Disposal method for material
Transfer to a suitable closed container for storage / isolation and arrange for collection by a specialist disposal organisation. The closed containers to be labelled with the contents
- Disposal of packaging
Treat the same as disposal of the material, see above
- Waste code number
08 04 99
- Special precautions for the
Ensure substances or mixtures are not mixed with other materials and not

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|-----------------|--|
| disposal method | 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 | N/A |
| 14.2 UN Proper Shipping Name | N/A |
| 14.3 Transportation Hazard Class(es) | This product does not require a classification for transport |
| 14.4 Packing Group | N/A |
| 14.5 Environmental Hazards | N/A |
| 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 |

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
- Other regulations, limitations and prohibitive regulations

REACH: The constituent substances are either exempt from or compliant.

SVHC: The mixture (804-DPC) does not contain SVHCs in concentrations greater than 0.1% (w/w)
- 15.2 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**
- H302: Harmful if swallowed
- H312: Harmful in contact with skin
- H315: Causes skin irritation
- H318: Causes serious eye damage
- H335: May cause respiratory irritation
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long-lasting effects
- H412: Harmful to aquatic life with long-lasting effects

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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

MSDS: Material Safety Data Sheet

N/A: Not Applicable

NDA: No Data Available

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CLP: EU Regulation 1272/2008: Classification, Labelling & packaging of chemical substances

EINECS: European Inventory of Existing Commercial Chemical Substances

HSE: (UK) Health & Safety Executive

STEL: Short Term Exposure Limit

TWA: Time Weighted Averages

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Level (REACH)

LD50: Lethal Dose, 50% affected

LC50: Lethal Exposure, 50% affected

EC50: Test to determine substance concentrations resulting 50% reduction in growth rate of the test organism, e.g. aquatic algae or daphnia etc.

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

SVHC: Substances of Very High Concern

Changes Compared to the Previous Version

An asterisk (*) to the left side indicates that there is a change to the previous version