

## System 800

NEWTON 807 BKK *eco*

## Water Repellent Treatment For Exposed Walls

Rev 2.0 - 11 January 2016

PRODUCT CODE - BKK

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

- Product Identifier Newton 807 BKK eco
- Relevant identified uses of the substance or mixture and uses advised against  
Clear coating for the protection of absorbent walls made of bricks, stones, cement from wind driven rain.
- Company Address Newton Waterproofing Systems, Newton House, 17-19 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web [www.newtonwaterproofing.co.uk](http://www.newtonwaterproofing.co.uk)
- Email address of the competent person  
[info@newtonwaterproofing.co.uk](mailto:info@newtonwaterproofing.co.uk)
- Emergency telephone number +44 (0)1732 360 095  
9am - 5pm (GMT) Mon - Fri

## 2. Hazards Identification

### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- Classification under GHS (Globally Harmonized System) Regulation  
The product is not dangerous according to the GHS Regulation
- Classification under Directives 67/548/CEE, 99/45/CE and successive amendments (2001/60/CE and 2006/08/CE)  
The product is not dangerous according to the GHS Regulation

### LABEL ELEMENTS

- Labelling under GHS (Globally Harmonized System) Regulation  
It contains 3-(trietossilil) propilammina. It can cause allergy
- Labelling under Directives 67/548/CEE, 99/45/CE and successive amendments (2001/60/CE and 2006/08/CE)  
The product is not subjected to label according to EC directives
- Other hazards  
This product hydrolyses by forming ethanol (n. CAS 64-17-5). Ethanol is easily flammable

### EU. EINECS (EINECS):

This product is in compliance with European Inventory of Existing Commercial chemical Substances (EINECS)

Classification and labelling have been made on the basis of safety data sheets of the raw materials that compose the product.

## 3. Composition/information on ingredients

- Dangerous components in compliance with Directive 1999/45/EC and Regulation EC 1272/2008:  
None  
For full text of danger classes, of danger symbols, R-phrases and H- phrases: see section 16
- Impurity  
It does not contain relevant impurities for classification and labelling

### 4. First aid measures

#### DESCRIPTION OF FIRST AID AND MEASURES

- General information No delayed effects are known. Small medical attention is required for all exposure, show in this safety data sheet
- In case of inhalation Air the room, get some fresh air and rest. In case of discomfort seek medical attention, shown in this safety data sheet
- In case of skin contact Immediately flush skin with plenty of soap and water as a precautionary measure. Do not use abrasive or solvent substances to wash hands. Immediately take off contaminated clothes and shoes. If inflammation or irritation occurs, consult a doctor, showing this safety data sheet.
- In case of eyes contact Immediately flush eyes with plenty of water for at least 10 minutes, keeping eyelids open. If irritation persists, consult a doctor, showing this safety data sheet.
- In case of ingestion Rinse mouth with water and drink plenty of water in small sips. Do not induce vomiting. If the victim should vomit whilst on their back, turn them on their side. Never give anything by mouth to an unconscious person. Consult a doctor, showing this safety data sheet.

#### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Symptom N/A
- Dangers N/A
- Indication of any immediate medical attention and special treatment needed Symptomatic treatment (decontamination, vital function)

### 5. Firefighting measures

- Suitable extinguishing media To extinguish fire, use water spray, dry chemical powder, foam resistant to alcohol, sand or CO2. Use extinguishing media which are compatible with local regulations
- Unsuitable extinguishing media for safety reasons:  
Pulverized water jet and water jet
- Special hazards arising from the substance or mixture  
Hazardous decomposition products: alcohols, nitrous gases.  
Prevent extinguishing liquid flowing to the soil, sewers or waterways
- Advice for firefighters  
Wear self-contained breathing apparatus and extinguishing media which are compatible with local regulations. Wear protective clothing to prevent contact with skin and eyes: anti-flame overall, gloves and anti-heat shoes.  
  
Combustion residues and extinguishing contaminated water must be eliminated in compliance with local, national and European regulations.

### 6. Accidental release measures

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- For non-emergency personnel Remove anyone not wearing the appropriate protective equipment  
Wear suitable protective equipment (see section 8). Avoid skin and eye contact. Avoid breathing vapours and fogs  
Eliminate free flames and possible sources of ignition. Do not smoke.  
In case of spillage of material, indicate the risk of slipping, clearly

# NEWTON 807 BKK eco

## Water Repellent Treatment For Exposed Walls

- For emergency responders  
Remove anyone not wearing any protective equipment  
Wear suitable protective equipment (see section 8). Avoid skin and eyes contact. Avoid breathing vapours and fogs.  
Eliminate free flames and possible sources of ignition. Do not smoke.  
In case of spillage of material, indicate the risk of slipping, clearly
- Environmental precautions  
Contain spreading. Do not discharge into drains or rivers. In case of spillage into water course, alert Environment Agency or any other authority for the environmental protection

### METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Small quantities  
Mix with absorbent materials (sand, sawdust, universal binder, diatomaceous earth), scoop solids into a suitable labelled container and dispose, following current local, national and European regulations. If the spill happens in close containers, aerate the room.
- Big quantities  
Mechanically suck the product, scoop solids into a suitable labelled container and dispose following current local, national and European regulations. Eliminate vapours. Eliminate the slippery surface if present with diluted soap/detergent or other biodegradable detergent. Eliminate free flames and possible source of ignition. Do not smoke.
- Reference to other sections  
Information regarding exposure controls / personal protection and disposal considerations can be found in sections 8 and 13

## 7. Handling and storage

### PRECAUTIONS FOR SAFE HANDLING

- Protection measures  
Avoid skin, eyes and mucous membranes contact. Wear personal protective equipment for hands, eyes, skin and respiratory system (see section 8). Do not wear contact lenses whilst using this product. Avoid breathing vapour or mist. If present, adopt special means of protection (suction, protection of respiratory system). Aerate the premises and workplace well. The spilled substance can create a slippery surface.
- Indication on fire protection and explosion  
The product can generate ethanol. In closed premises, vapours can create a mix with the air, that in case of ignition source can cause explosion even inside closed empty containers not cleaned. Keep away from source of ignition and do not smoke. Be aware of electrostatic charges. Cool down dangerous containers with water.
- Advice on general occupational hygiene  
Avoid inhalation, ingestion or skin/eyes contact. General occupational hygiene measures are required to guarantee the safe manipulation of the material. The following measures are good personal practices; regular cleaning of the workplace, do not drink, eat or smoke in the workplace, wash your hands after any contact, take a shower and change clothes at end of each work shift. Do not bring contaminated clothes home. Separate working clothes from the others and wash separately.
- Conditions for safe storage, including any incompatibilities  
Store in dry places, away from sunlight, water and ice, at temperature between +5°C and +35°C, in its original container, tightly closed. Keep away from sources of ignition. Keep out from the reach of children.  
If the product is stored on the construction site, it must be protected by sun, ice and water and kept at temperature between +5°C e +35°C. 7.3
- Specific end use(s)  
No data available

### 8. Exposure controls/personal protection

#### CONTROL PARAMETERS

- Components with a limit value Ethanol - inhalable aerosol fraction (n. CAS 65-17-5) limit value TVV\_IT 10,0 mg/m<sup>3</sup> o 1000,0 ppm. The limit value for the aerosol is a recommendation in case of aerosol formation during the working phases
- Exposure control Do not breathe in gas, vapours and aerosols. It is recommended to use it only outside or in areas equipped with ventilation systems. Wear personal protective equipment (glasses and protective clothes, safety shoes)
- Appropriate engineering controls None
- Individual protection measures, such as personal protective equipment
- Eye/face protection Do not wear contact lenses. Wear protective eyeglasses in accordance to UNI EN 166. Wear eye protection compatible with the system used to protect the respiratory system.
- Skin/Hand protection Wear protective gloves suitable for chemical agents (protection index 6, equal to permeation time > 60 minutes), waterproof and in compliance with UNI EN 374 parts 1 and 2 (neoprene gloves) and directive UE 89/689/CEE (nitrile rubber gloves or butyl rubber). Always keep in mind that, because of several factors (such as temperature), the lasting protection of gloves against chemical agents can be less than permeation time tested. If gloves are damaged or worn, change them.  
  
Wear standard protective clothing that can cover the entire skin area, long trousers, long sleeved overalls; tight at the ends and safety shoes.
- Respiratory protection Use respiratory protection equipment, CE marked, with special filter A/P2, in compliance with current regulation (Directive 89/656/CEE, 89/686/CEE) when risks for respiratory system cannot be avoid or limited with the use of technical means of collective protection or with measures, methods or procedures about the organisation of work.  
  
Adequately aerate room where the product is handled/stored
- Thermal hazards No data available
- Environmental exposure controls Avoid discharge into the environment. In case of excessive leakage into water courses, alert Environmental Agency or an agency for environmental protection

### 9. Physical and chemical properties

#### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- General Informations
  - Appearance Liquid
  - Colour Colourless, transparent
  - Odour Weak

# NEWTON 807 BKK eco

## Water Repellent Treatment For Exposed Walls

### IMPORTANT INFORMATION RELATING TO HEALTH, SAFETY AND ENVIRONMENTAL

- Melting point 0°C
- Boiling point 100°C
- Flame point 70°C (EN 22719)
- Sustained combustion >100°C (ISO 9038)
- Ignition temperature 395°C
- Lower limit of explosion Not applicable
- Upper limit of explosion Not applicable
- Solubility in water It can be diluted

Note: The values presented above about the physical and chemical properties are typical values for this product and should not therefore be considered as a specification.

### OTHER INFORMATION

- There can be hydrolytic decomposition. Explosion limits for released ethanol: 3,5 – 15% Vol.

## 10. Stability and reactivity

- Reactivity No dangerous reaction if the requirements/indication for the handling and storage are observed
- Chemical stability The product is stable if the requirements/indication for the handling and storage are observed
- Possibility of hazardous reactions No dangerous reaction under recommended handling and storage
- Conditions to avoid Store in dry places, away from sunlight, water and ice, at temperature between +5°C and +35°C, in its original container, tightly closed. Keep away from sources of ignition. Keep out from the reach of children. If the product is stored on the construction site, it must be protected by sun, ice and water and kept at temperature between +5°C e +35°C.
- Incompatible materials Keep away from acids, free flames, ignition spark and heat sources. It reacts with acids and alkali to forms ethanol
- Hazardous decomposition products Ethanol

### 11. Toxicological information

#### INFORMATION ON TOXICOLOGICAL EFFECTS

- Acute toxicity: Inhalation of aerosols based on amino functional siloxanes (aqueous emulsion) can cause damage to health in laboratory experiments on animals

#### ACUTE TOXICITY ESTIMATE (ATE)

ATEmix (oral): > 2000 mg/kg

- Skin corrosion/irritation: No experimental data are available
- Serious eye damage/irritation: No experimental data are available
- Germ cell mutagenicity: No experimental data are available
- Carcinogenicity: No experimental data are available
- Reproductive toxicity: No experimental data are available
- Respiratory or skin sensitisation: No experimental data are available
- Respiratory irritation: The eventual exposure to fumes caused by high temperature can be irritant for the respiratory system
- STOT - single exposure: No experimental data are available.
- STOT- repeated exposure: No experimental data are available.
- Hazard in case of aspiration: No experimental data are available

Other indications on toxicity: according to data in the ethanol literature (64-17-5) produced by hydrolysis are; irritations of the mucous membranes, mild skin, greases it, has a narcotic effect. Possible damage to the liver.

The product was not tested. The data reported in this paragraph are based on the information contained in safety data sheets of the raw materials that compose the product.

### 12. Ecological information

Use according to good working practices, avoiding disposal in the environment.

- Toxicity To current knowledge, it does not have any harmful effects in purification systems
- Persistence and degradability Hydrolysis products: ethanol and compounds of silanol and siloxane.  
Elimination for absorption on active fungus  
Polymeric component: hardly biodegradable  
The hydrolysis product (ethanol) is easily biodegradable.  
Consideration on disposal: N/A

Do not pour the product into pipelines and waterways, if the product has flowed into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

- Bioaccumulative potential Improbable bioaccumulation
- Mobility in soil (and other compartments of available) It contains silicone. Separation by sedimentation
- Results of PBT and vPvB assesment No data available
- Other adverse effects None known

The product was not tested. The data reported in this paragraph is based on the information contained in safety data sheets of the raw materials that compose the product.

# NEWTON 807 BKK eco

## Water Repellent Treatment For Exposed Walls

### 13. Disposal considerations

#### WASTE TREATMENT METHODS

- Product For disposal, eliminate the product in a suitable incineration plant, in accordance with local, national and European regulations  
  
The preparation is not suitable for disposal in landfills and/or public waters, canals, natural waterways or rivers
- Uncleaned packaging The package used is intended exclusively for the packaging of this product, it must not be reused for other purposes. The empty packaging must be cleaned (free of debris and condensation, cleaned with a spatula)  
Containers, even when completely empty, must not be discarded in the environment

### 14. Transport information

- UN number Not regulated
- UN proper shipping name Not regulated
- Transport hazard class(es) Product classified as non dangerous for transport
- Packaging group Not regulated
- Environmental hazards Product classified as non dangerous for transport
- Special precautions for user Product classified as non dangerous for transport
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC code  
Product classified as non dangerous for transport

Transportation classifications may vary according to the capacity and the type of container and according to the different national legislations.

### 15. Regulatory information

#### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- European regulations: Directive 67/548/EEC and s.m.i. (classification, packaging and labelling of dangerous substances);  
Directive 2006/8/CE (D.M. 03/04/2007);  
Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency;  
Regulation (EC) No 1272/2008 (classification, labelling and packaging of substances and mixtures).
- Chemical safety assessment Not needed. Exempt from REACH registration

### 16. Other information

- Danger symbol None
- Precautionary statements
  - P102 Keep out of reach of children
  - P280 Wear protective gloves/protective clothing/eye protection/face protection
  - P305/P351 IF IN EYES: Rinse continuously with water for several minutes
  - P310 Immediately call a POISON CENTRE or doctor/physician

# NEWTON 807 BKK eco

## Water Repellent Treatment For Exposed Walls

- P302/P352 IF ON SKIN: Wash with soap and water
- P304/P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P338 Remove contact lenses if easy to do. Continue rinsing
- Hazard statements None
- Security R-phrases
  - S2 Keep out of the reach of children
  - S25 Avoid contact with eyes
  - S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
  - S36 Wear suitable gloves
  - S39 Wear eye/face protection
  - S45 In case of accident or feel unwell seek medical advice immediately (show him the label if possible)
  - S60 This material and its can must be disposed of as hazardous waste
- Abbreviations and acronyms
  - ACGIH American Conference of Governmental Industrial Hygienists
  - BAc Butil acetate
  - OSHA Occupational Safety and Health Administration
  - PEL Permissible Exposure Limit
  - STEL Short term
  - OEL Occupational exposure limit
  - PBT Persistent, bioaccumulative, toxic chemical
  - vPvB Very persistent, very bioaccumulative
  - OIM International Maritime Organization
  - IMDG International Maritime Dangerous Goods
  - IATA International Air Transport Association
  - ADR/RID Agreement on Dangerous Goods by Road / Regulations concerning the Intl Transport of Dangerous Goods by Rail.

### 17. Disclaimer

This Safety Data Sheet (SDS) is based on the legal regulations listed in REACH Regulation (CE/1907/2006), and successive amendments and integration.

The information enclosed in this SDS are based on the information reported in the SDS of the raw materials that compose the product and are based on our knowledge of the above date. The information relates only to this specific product and may not apply the same when used in combination with other materials or in any process unless specified in the material safety data sheet. They only reference the indicated product, they do not constitute guarantee of special qualities.