

System 800

NEWTON 806 CWC

Thermal Paint

Rev 2.0 - 8 January 2016

PRODUCT CODE - CWC

1. Product and Company Identification

PRODUCT IDENTIFIER

- Commercial name: Newton 806 CWC
- Reach registration number: N/A
- Relevant identified uses of the substance and uses advised against: Paint for inside, white colour, latex based and with mineral powder
- Company Address: Newton Waterproofing Systems, Newton House, 17-19 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
9am - 5pm (GMT) Mon - Fri

2. Hazards Identification

LABELLING ACCORDING TO DIRECTIVE 67/548/CEE, 99/45/CE REGULATION (EC) NO 1272/2008 (CLP) AND GHS (GLOBALLY HARMONIZED SYSTEM)

- Acute Tox 4: H302 Harmful if swallowed
R22 Harmful if swallowed

OTHER HAZARDS

- The product is not in compliance with the criteria for PBT or vPvB substances (REACH annex XIII)
- EU. EINECS (EINECS): This product is in compliance with European Inventory of Existing Commercial chemical Substances (EINECS)
- US. Toxic Substances Control Act (TSCA): All the components of this product are in compliance with the U.S. Toxic Substances Control Act inventory
- Classification and labeling have been made on the basis of safety data sheets of the raw materials that compose the product



Irritant



Xn

3. Composition/Information on Ingredients

DANGEROUS COMPONENTS IN COMPLIANCE WITH DIRECTIVE 1999/45/EC AND REGULATION EC 1272/2008

| Chemical name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|-----------------|--------------|----------|-----------|---------------------------|--------------|---------------------------------|
| Ethylene glycol | 603-027-00-1 | 107-21-1 | 203-473-3 | 01-2119456 816-28 | < 3.0% | Xi: R22, H302 - Acute Tox. 4 |

- For full text of hazard pictograms, R-phrases and H-phrases: see section 16
- Impurity: It does not contain relevant impurities for classification and labeling

4. First Aid Measures

- General information No delayed effects are known. Medical attention is required for all exposure but small, showing this safety data sheet.
- In case of inhalation Air the room. Remove to fresh air immediately and leave patient to rest. In case of discomfort seek medical attention, showing 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. Take off contaminated clothes. 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 mins, keeping eyelids open. If irritation persists, consult a doctor, showing this safety data sheet
- In case of ingestion Rinse mouth with plenty of water. Consult a doctor, showing this safety data sheet. Never give anything by mouth to an unconscious person
- Most important symptoms and effects, both acute and delayed
In case of exposure, the treatment should be directed at the control of symptoms and the clinical condition of the patient. In case of severe poisoning, maintain adequate ventilation and oxygenation of the patient. If gastric lavage is performed, endotracheal and / or esophageal control is recommended. Danger from lung aspiration must be evaluated against toxicity when considering emptying the stomach. If burn is present, treat as any thermal burn, after decontamination
- Indication of any immediate medical attention and special treatment needed
N/A

5. Firefighting Measures

- Thermal decomposition Thermal decomposition can cause acrylic monomer or irritant fumes
- Suitable extinguishing media Use water spray, dry chemical powder or CO₂. Big fire must be extinguished with water spray or with alcohol resistant foam. Use extinguishing media which are compatible with local regulations
- Unsuitable extinguishing media N/A.
- Special hazards arising from the substance
Carbon oxide. The material can cause spurt above 100°C (212°F). Dry product can burn.
- Advice for firefighters Do not breathe fire gas. 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 Keep out people that do not wear any protection equipment
Avoid skin and eyes contact – wear suitable protection equipment (see section 8).
Material can create slippery surfaces.

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- For emergency responders

Keep out people that do not wear any protection equipment.
Avoid skin and eyes contact – wear suitable protection equipment (see section 8).
Eliminate free flames and possible sources of ignition. Do not smoke.
Provide for a sufficient aeration.
Material can create slippery surfaces

ENVIRONMENTAL PRECAUTIONS

Contain spreading. Do not discharge product or washing liquids into drains or rivers. In case of spill into water course, alert Environment Agency or any other authority for the environmental protection

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Small quantities
- Big quantities

Mix with absorbent materials (sand, sawdust, universal binder, diatomaceous earth), scoop solids into a suitable labeled container and dispose following current local, national and European regulations. If the spill happens in close containers aerate the room. Then wash the area with water, collecting water used to be disposed of in authorized plant for disposal

Mechanically suck up the product, scoop solids into a suitable labeled container, recycle or dispose following current local, national and European regulations. If the spill happens in close containers aerate the room. Then wash the area with water, collecting water used to be disposed of in authorized plant for disposal

REFERENCE TO OTHER SECTIONS

Information related to exposure control/personal protection and to disposal are written in section 8 and 13

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING

- Protection measures

Avoid skin, eyes and mucous membranes contact. Wear personal protection equipment for hands, eyes and skin (see section 8). Do not wear contact lenses while using this product. Avoid breathing vapor or mist

- 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. These measures are: good personal practices, regular cleaning of the workplace, do not drink, eat or smoke in the workplace, wash your hands after any manipulation, take a shower and change clothes at end of each work shift. Do not bring contaminated clothes at home. Separate working clothes from the others. Wash them 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 acids, free flames, ignition sparks and heat sources.

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.

When the product is heated up it is possible that it creates monomer vapors

8. Exposure Controls/Personal Protection

CONTROL PARAMETERS

| Specification | Parameter | Ethylene glycol - CAS: 107-21-1; Specific: TRGS 900 (D); Value: 10 ppm / 26 mg/m ³ ; Category: 2(I); Note: H, Y |
|---------------|---|--|
| DNEL (EC) | Systemic effect: Long term Dermal - Workers | 106 mg/kg |
| DNEL (EC) | Local effect: Long term Inhalation - Workers | 35 mg/m ³ |
| DNEL (EC) | Systemic effect: Long term Dermal - Population | 53 mg/kg |
| DNEL (EC) | Local effect: Short term Inhalation - Population | 7 mg/m ³ |
| PNEC STP (EC) | - | 10 mg/l |
| PNEC (EC) | Soil | 1.53 mg/kg |
| PNEC (EC) | Fresh water | 10 mg/l |
| PNEC (EC) | Sea water | 1 mg/l |
| PNEC (EC) | Occasional emission | 10 mg/l |
| PNEC (EC) | Sediment (fresh water) | 20.9 mg/kg |
| STEL (EC) | - | 40 ppm / 104 mg/m ³ |
| TWA (EC) | - | 20 ppm / 52 mg/m ³ |

EXPOSURE CONTROL

It is recommended to use it only outside or in areas equipped with ventilation systems. Wear personal protection equipment (glasses and protective clothes, safety shoes)

- Appropriate engineering controls None
- Individual protection measures, such as personal protective equipment
 - a) Eye/face protection: Do not use contact lenses. Wear protective eyeglasses or chemical safety goggles as described by OSHA's eye. Use eyes protection compatible with the system used to protect respiratory system
 - b) Skin protection: Wear protective gloves suitable for chemical agents (protection index 6, equal to permeation time > 480 minutes), waterproof and in compliance with UNI EN 374 parts 1 and 2 (neoprene gloves). Always keep in mind that, because of several factors (such as temperature), the lasting of a protection glove against chemical agents can be less than permeation time tested. If gloves are damaged or worn change them. Use a suitable cream for dry skin. Wear standard protective clothes that can cover the entire skin surface, long trousers, long sleeved overalls tight, at the ends and safety shoes. For workers with dermatite or sensitive skin, a suitable protection is recommended (such as a barrier cream).
 - c) Respiratory protection: Use respiratory protection equipment, CE marked, in compliance with current regulation (Directive 89/656/CEE, 89/686/CEE) when risks for respiratory system cannot be avoid or limited with measures, methods or procedures. Use a type A filter in compliance with EN 141. Adequately aerate room where the product is handled/stored.
 - d) Thermal hazards: If the product is heated up it is possible that it creates monomer vapors.

- Environmental exposure controls Avoid discharge into the environment. In case of massive spill into water courses, alert Environmental Agency or other agency for the environmental protection

9. Physical and Chemical Properties

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- Appearance Milky liquid
- Colour White
- Odour Bergamot
- Odour limit N/A
- pH N/A
- Melting point 0°C water
- Boiling point 100°C water
- Flammability point Not flammable
- Flammability (solid, gas) N/A
- Rate of evaporation <1 water
- Vapour pressure N/A
- Relative vapour density <1,0 water
- Explosion danger Not explosive
- Lower limit of explosion N/A
- Upper limit of explosion N/A
- N-octanol/water partition coefficient N/A
- Self-ignition temperature N/A
- Decomposition temperature N/A
- Dynamic viscosity N/A
- Oxidising property N/A

OTHER INFORMATION

- Volatile percentage N/A
- Miscibility in other solvents N/A

- 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

10. Stability and Reactivity

- Reactivity Possible reaction with oxidizing substances
- Chemical stability Stable under recommended transport or storage conditions
- Possibility of hazardous reactions Possible reaction with oxidizing substances

- 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 acids, free flames, ignition sparks and heat sources. 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. When the product is heated up it is possible that it creates monomer vapors.
- Incompatible materials Keep away from acids, free flames, ignition sparks and heat sources
- Hazardous decomposition products Carbonate oxides. When the product is heated up it is possible that it creates monomer vapors
- Polimerisation The product does not create polimerisation

11. Toxicological Information

- Acute toxicity N/A
 - Skin corrosion/irritation Prolonged contact can result in dry skin. Small quantities in contact with eyes can cause irritation and burning sensation.
 - Respiratory irritation The eventual exposure to fumes caused by high temperature can be irritant for the respiratory system.
 - Respiratory or skin sensitisation N/A
 - Germ cell mutagenicity N/A
 - Carcinogenicity N/A
 - Reproductive toxicity N/A
 - Growth toxicity N/A
 - Repeated dose toxicity and specific organ toxicity (prolonged exposure) N/A
 - Other indications on toxicity N/A
- 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

- TOXICITY
- Use according to good working practices, avoiding disposal in the environment
- Acute/prolonged toxicity on fishes N/A
 - Acute/prolonged toxicity on aquatic organism N/A
 - Acute/prolonged toxicity on aquatic plants N/A
 - Toxicity on microorganism (eg. bacteria)/effect on active fungus N/A
 - Chronic toxicity on aquatic organism N/A
 - Toxicity on soil organism N/A
 - Toxicity on plants N/A
 - General effect N/A

- Persistence and degradability This product is not 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 N/A
- Mobility in soil Assessment on transport between environmental compartments: N/A
- Results of PBT and vPvB assesment N/A
- Other adverse effects N/A
- Additional indication Halogenated organic compounds (AOX): N/A

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

13. Disposal Considerations

- Waste treatment methods Coagulate the emulsion by the stepwise addition of ferric chloride and hydrated calcium. Remove the clear supernatant and send it into the chemical sewer collection. 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.
The package used is intended exclusively for the packaging of this product, it must not be reused for other purposes. Containers, even when completely empty, must not be discarded in the environment and should be subjected to a decontamination treatment before being sent for disposal. If they contain residues must be classified, stored and sent to a suitable treatment facility in accordance with applicable local, national and EU regulations

14. Transport Information

PRODUCT CLASSIFIED AS NON DANGEROUS FOR TRANSPORT (LAND TRANSPORT ADR/RID, SEA TRANSPORT AND/IMDG / GGVSEA, AIR TRANSPORT IATA/ICAO)

- 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

- Authorization Not requested
- Restrictions on the use None

- Other European regulations
The product does not contain substances listed in SEVESO Directive, neither substances that deplete the ozone layer nor persistent organic polluting substances (POP).
Council Directive 67/548/EEC and successive modification (classification, packaging and labeling of dangerous substances); Directive 2006/8/CE (D.M. 03/04/2007); Regulation (EC) No 1907/2006 and successive modification (Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)); Regulation (EC) No 1272/2008 (classification, labeling and packaging of substances and mixtures)
- Chemical safety assesment
Not needed. Exempt from REACH registration

16. Other Information

- Danger symbol
Xn harmful
- Hazard statements (H-phrases)
H 302: Harmful if swallowed
- Precautionay statements (P-phrases)
P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301/312: IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell.
P305/P351: IF IN EYES: Rinse continuously with water for several minutes.
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.
P330: Rinse mouth
P338: Remove contact lenses if present and easy to do. Continue rinsing.
P501: Dispose of contents/container to a suitable disposal centre
- Relevant S-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.
S37: Wear suitable gloves.
S39: Wear eye/face protection.
- Abbreviations and acronyms
ADR/RID: Agreement on Dangerous Goods by Road / Regulations concerning the Intl Transport of Dangerous Goods by Rail.
ASTM: ASTM International, originally known as American Society for Testing and Materials (ASTM).
EINECS: European Inventory of Existing Commercial Chemical Substances
EC(0/50/100): Effective Concentration 0/50/100
LC(0/50/100): Lethal Concentration 0/50/100
IC50: Inhibitor Concentration 50
NOEL: No Observed Effect Level
NOEC: No Observed Effect Concentration
LOEC: Lowest Observed Effect Concentration
DNEL: Derived No Effect Level
DMEL: Derived Minimum Effect Level
CLP: Classification, Labelling and Packaging
CSR: Chemical Safety Report
LD(0/50/100): Lethal Dose 0/50/100
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
PBT: Persistent, bioaccumulative, toxic chemical
RID: Règlement concernant le transport International ferroviaire des marchandises Dangereuses
STEL: Short-term exposure limit
TLV: Threshold limit value
TWA: Time weighted average
vPvB: Very persistent, very bioaccumulative

- Disclaimer

VwVwS.: Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS).

PNEC: predicted no-effect concentration

PNOS: Particulates not Otherwise Specified

BOD: Biochemical Oxygen Demand

COD: Chemical Oxygen Demand

BCF: BioConcentration Factor

TRGS : Technische Regeln für Gefahrstoffe -Technical Rules for Hazardous Substances, defined by The Federal Institute for Occupational Safety and Health, Germany.

LCLo: Lethal Concentration Low.

ThOD: Theoretical Oxygen Demand

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

No statement or guarantee concerning accuracy, reliability and completeness of the information contained in this SDS is released. The Company does not assume any liability for damages to persons or property that may result from use the product other than that for which it was intended.

The SDS does not replace but complements the text or the rules that regulate the activity of use.

The user must make sure of these information suitability and completeness in relation to the specific use he has to do.

This schedule revokes and replaces any previous edition