System 300

NEWTON 306 SWELLMASTIC

Swelling Adhesive Mastic

Rev 2.2 - 27 July 2016

PRODUCT CODE - SX306

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

PRODUCT IDENTIFIER

- Product form: Mixture
- Product name: Newton 306 SwellMastic
- Product code: SX306

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

RELEVANT IDENTIFIED USES

- Industrial/Professional use spec: Waterproofing

USES ADVISED AGAINST

No additional information available

- Description: Liquid, swelling sealing kit, packed in a 320ml cartridge
- 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

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No. 1272/2008 [CLP]

- Flam. Liq. 2: H225
- Acute Tox. 4 (Inhalation:vapour): H332
- Skin Irrit. 2: H315
- Eye Irrit. 2: H319
- Resp. Sens. 1: H334
- Skin Sens. 1: H317
- Carc. 2: H351
- Repr. 1B: H360
- Lact.: H362
- STOT SE 1: H370
- STOT RE 1: H372
- Aquatic Chronic 2: H411

Full text of H-statements: see section 16

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LABEL ELEMENTS

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02 GHS07 GHS08 GHS09

- Signal word (CLP): Danger
- Hazardous ingredients: Alkanes, C14-17, chloro, chlorinated paraffins, C14-17, xylene, ethylbenzene, m-Tolylidene diisocyanate
- Hazard statements (CLP):
  - H225 - Highly flammable liquid and vapour
  - H315 - Causes skin irritation
  - H317 - May cause an allergic skin reaction
  - H319 - Causes serious eye irritation
  - H332 - Harmful if inhaled
  - H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
  - H351 - Suspected of causing cancer
  - H360 - May damage fertility or the unborn child
  - H362 - May cause harm to breast-fed children
  - H370 - Causes damage to organs
  - H372 - Causes damage to organs through prolonged or repeated exposure
  - H411 - Toxic to aquatic life with long lasting effects
- Precautionary statements (CLP):
  - P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
  - P260 - Do not breathe dust, fume, gas, mist, spray, vapours
  - P280 - Wear eye protection, protective clothing, protective gloves
  - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
  - Rinse skin with water/shower
  - P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
  - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  - P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

OTHER HAZARDS

No additional information available

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3. Composition/information on ingredients

SUBSTANCE

Not applicable

MIXTURE

NAME	PRODUCT IDENTIFIER	%	CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC	CLASSIFICATION ACCORDING TOREGULATION (EC) NO. 1272/2008 [CLP]
Calcium carbonate	(CAS No) 471-34-1 (EC no) 207-439-9	20 - 25	Xi; R36	Eye Irrit. 2, H319
Alkanes, C14-17, chloro, chlorinated paraffins, C14-17	(CAS No) 85535-85-9 (EC no) 287-477-0 (EC index no) 602-095-00-X	10 - 20	R64 R66 N; R50/53	Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H41
Solvent naphtha (petroleum), heavy aromaticv	(CAS No) 64742-94-5 (EC no) 265-198-5 (EC index no) 649-424-00-3	3 - 6	Xn; R65	Asp. Tox. 1, H304
Titanium dioxide	(CAS No) 13463-67-7 (EC no) 236-675-5	2 - 4	Not classified	Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 1, H372
Xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	0,7 - 1,5	R10 Xn; R20/21 Xi; R38	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:-dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360 STOT SE 3, H336 STOT SE 1, H370 STOT RE 1, H372
Ethylbenzene	(CAS No) 100-41-4 (EC no) 202-849-4 (EC index no) 601-023-00-4	0,7 - 1,5	F; R11 Xn; R20 Xn; R65 Xn; R48/20	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:-dust,mist), H332 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 1B, H360 STOT SE 3, H335 STOT SE 2, H371 STOT RE 2, H373 Asp. Tox. 1, H304
m-Tolylidene diisocyanate	(CAS No) 26471-62-5 (EC no) 247-722-4 (EC index no) 615-006-00-4	0,4 - 0,6	Not classified	Acute Tox. 1 (Inhalation:vapour), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 Aquatic Chronic 3, H412
Naphthalene	(CAS No) 91-20-3 (EC no) 202-049-5 (EC index no) 601-052-00-2	0,1 - 0,5	0,5 Carc.Cat.3; R40 Xn; R22 N; R50/53	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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SPECIFIC CONCENTRATION LIMITS:

NAME	PRODUCT IDENTIFIER	SPECIFIC CONCENTRATION LIMITS:DSD/DPD	SPECIFIC CONCENTRATION LIMITS:CLP
Xylene	CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	(C >= 12,5) Xn;R20/21	

Full text of R- and H-statements: see section 16

4. First aid measures

DESCRIPTION OF FIRST AID MEASURES

- First-aid measures after inhalation: Allow breathing of fresh air. If you feel unwell, seek medical advice
- First-aid measures after skin contact: Wash with plenty of soap and water
- First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist
- First-aid measures after ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain emergency medical attention

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Symptoms/injuries after inhalation: Harmful if inhaled
- Symptoms/injuries after skin contact: May cause an allergic skin reaction
- Symptoms/injuries after eye contact: Causes serious eye irritation
- Symptoms/injuries after ingestion: May be harmful if swallowed

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None.

5. Firefighting measures

EXTINGUISHING MEDIA

Suitable extinguishing media: Dry powder. Carbon dioxide. Foam

Unsuitable extinguishing media: Do not use a heavy water stream

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- Reactivity in case of fire: Release of harmful/irritant gases/vapours (carbon monoxide - carbon dioxide)

ADVICE FOR FIREFIGHTERS

- Firefighting instructions: Prevent fire-fighting water from entering environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers
- Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection

6. Accidental release measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- General measures: Ensure adequate ventilation

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FOR NON-EMERGENCY PERSONNEL

- Emergency procedures: Evacuate unnecessary personnel

FOR EMERGENCY RESPONDERS

- Protective equipment: Equip cleanup crew with proper protection

ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Methods for cleaning up: Collect spills and put it into appropriated container

REFERENCE TO OTHER SECTIONS

See also sections 8 and 13.

7. Handling and storage

PRECAUTIONS FOR SAFE HANDLING

- Precautions for safe handling: Do not eat, drink or smoke when using this product. Use personal protective equipment as required
- Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Storage conditions: Keep in a cool, well-ventilated place. Keep container closed when not in use
- Storage temperature: 5 - 25 °C
- Storage area: Store in a well-ventilated place.
- Special rules on packaging: Keep only in original container.

SPECIFIC END USE(S)

Refer to the technical directions

8. Exposure controls/personal protection

CONTROL PARAMETERS

No additional information available

EXPOSURE CONTROLS

Personal protective equipment	Gloves. Safety glasses. Protective clothing
Hand protection	protective gloves
Eye protection	Chemical goggles or safety glasses
Skin and body protection	Wear suitable protective clothing
Respiratory protection	In case of inadequate ventilation wear respiratory protection



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9. Physical and chemical properties

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

• Physical state	Liquid
• Appearance	Pasty liquid
• Colour	Grey
• Odour	No data available
• Odour threshold	No data available
• pH	No data available
• Relative evaporation rate (butylacetate=1)	No data available
• Melting point	No data available
• Freezing point	No data available
• Boiling point	No data available
• Flash point	No data available
• Auto-ignition temperature	No data available
• Decomposition temperature	No data available
• Flammability (solid, gas)	No data available
• Vapour pressure	No data available
• Relative vapour density at 20 °C	No data available
• Relative density	1,23
• Solubility	No data available
• Log Pow	No data available
• Viscosity, kinematic	No data available
• Viscosity, dynamic	175000 (100000 - 250000) mPa.s
• Explosive properties	No data available
• Oxidising properties	No data available
• Explosive limits	No data available

OTHER INFORMATION

No additional information available

10. Stability and reactivity

• Reactivity	Reacts with water
• Chemical stability	Stable under normal conditions
• Possibility of hazardous reactions	No additional information available
• Conditions to avoid	High temperatures. Open flame
• Incompatible materials	Oxidizing agent
• Hazardous decomposition products	No additional information available

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11. Toxicological information

INFORMATION ON TOXICOLOGICAL EFFECTS

- Acute toxicity — Inhalation:vapour: Harmful if inhaled

ATE CLP (VAPOURS)	16,266 MG/L/4H
Titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 6,82 mg/l/4h
m-Tolylidene diisocyanate (26471-62-5)	
LD50 oral rat	3060 mg/kg
LD50 dermal rabbit	10000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	0,099 mg/l/4h
Xylene (1330-20-7)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	4350 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	29,08 mg/l/4h
Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 inhalation rat (mg/l)	17,2 mg/l

Skin corrosion/irritation	Causes skin irritation
Serious eye damage/irritation	Causes serious eye irritation
Respiratory or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction
Germ cell mutagenicity	Not classified
Carcinogenicity	Suspected of causing cancer
Reproductive toxicity	May damage fertility or the unborn child. May cause harm to breast-fed children
Specific target organ toxicity (single exposure)	Causes damage to organs
Specific target organ toxicity (repeated exposure)	Causes damage to organs through prolonged or repeated exposure
Aspiration hazard	Not classified

12. Ecological information

- Toxicity — No additional information available
- Persistence and degradability — No additional information available
- Bioaccumulative potential — No additional information available
- Mobility in soil — No additional information available
- Results of PBT and vPvB assessment — No additional information available
- Other adverse effects — No additional information available

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13. Disposal considerations

WASTE TREATMENT METHODS

- Regional legislation (waste) — Disposal must be done according to official regulations

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

- UN number
- UN-No. (ADR) — -
- UN-No. (IMDG) — Not applicable
- UN-No. (IATA) — Not applicable
- UN-No. (ADN) — Not applicable
- UN-No. (RID) — Not applicable

UN PROPER SHIPPING NAME

- Proper Shipping Name (ADR) — Not applicable
- Proper Shipping Name (IMDG) — Not applicable
- Proper Shipping Name (IATA) — Not applicable
- Proper Shipping Name (ADN) — Not applicable
- Proper Shipping Name (RID) — Not applicable
- Transport document description (ADR) — UN ----, ENVIRONMENTALLY HAZARDOUS

TRANSPORT HAZARD CLASS(ES)

ADR

- Transport hazard class(es) (ADR) — Not applicable



IMDG

- Transport hazard class(es) (IMDG) — Not applicable



IATA

- Transport hazard class(es) (IATA) — Not applicable



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ADN

- Transport hazard class(es) (ADN) — Not applicable



RID

- Transport hazard class(es) (RID) — Not applicable



PACKING GROUP

- Packing group (ADR) — Not applicable
- Packing group (IMDG) — Not applicable
- Packing group (IATA) — Not applicable
- Packing group (ADN) — Not applicable
- Packing group (RID) — Not applicable

ENVIRONMENTAL HAZARDS

- Dangerous for the environment — Yes
- Marine pollutant — Yes
- Other information — No supplementary information available

SPECIAL PRECAUTIONS FOR USER

- Overland transport — No data available
- Transport by sea — MFAG-No : 153
- Air transport — No data available
- Inland waterway transport — Not subject to ADN : No
- Rail transport — Carriage prohibited (RID) : No

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not applicable

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15. Regulatory information

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

• EU-Regulations	Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

NATIONAL REGULATIONS

Germany

• VwVwS Annex reference	Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)
• 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
• Netherlands	
• SZW-lijst van kankerverwekkende stoffen	Alkanes, C14-17, chloro, chlorinated paraffins, C14-17,Solvent naphtha (petroleum), heavy aromatic are listed
• SZW-lijst van mutagene stoffen	Alkanes, C14-17, chloro, chlorinated paraffins, C14-17,Solvent naphtha (petroleum), heavy aromatic are listed
• NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	Alkanes, C14-17, chloro, chlorinated paraffins, C14-17 is listed
• NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	None of the components are listed
• NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	Xylene is listed

DENMARK

• Recommendations Danish	Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

CHEMICAL SAFETY ASSESSMENT

No additional information available

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16. Other information

Full text of R-, H- and EUH-statements:

Features	Result
Acute Tox. 1 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 1
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
Repr. 1B	Reproductive toxicity, Category 1B
Resp. Sens. 1	Sensitisation — Respiratory, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer

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Features	Result
H360	May damage fertility or the unborn child
H362	May cause harm to breast-fed children
H370	Causes damage to organs
H371	May cause damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R10	Flammable
R11	Highly flammable
R20	Harmful by inhalation
R20/21	Harmful by inhalation and in contact with skin
R22	Harmful if swallowed
R36	Irritating to eyes
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R64	May cause harm to breastfed babies
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

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