System 900

NEWTON 906 LIME INHIBITOR

Lime Inhibitor

Rev 3.1 - 19 May 2017

PRODUCT CODE - 906

1. Indentification of the Substance/Preparation and of the Company/Undertaking

- Product identifier
- Product name — Newton 906 Lime Inhibitor
- Relevant identified use of the substance or mixture and uses advised against
- Suitable Uses — Modifying agent for: Building Materials
- Details of the supplier of the safety data sheet
- 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
  Not a hazardous substance or mixture
- Classification (67/548/EEC, 199/45/EC):
  Not a hazardous substance or mixture

LABEL ELEMENTS

- Labelling (GHS): — No labelling according to GHS required
- Special identification instructions — Safety data sheet available on request. Contains chloromethylisothiazolinone and methylisothiazolinone (3:1), aminoethyl aminopropyl trimethoxysilane. May produce an allergic reaction

OTHER HAZARDS

Inhalation of aerosol spray may damage health.
Product hydrolyses under formation of methanol (CAS no. 67-56-1). Methanol is toxic by inhalation, in contact with skin and if swallowed. Methanol causes damage to organs. Methanol is highly flammable. Product hydrolyses, producing ethanol (CAS no. 64-17-5). Ethanol is highly flammable

3. Composition/Information on Ingredients

- Substances — Not applicable

MIXTURES

- Chemical characterisation (preparation)
  Alkoxy silanes + siloxane + water

- Hazardous ingredients

Type	CAS	EC	REACH	MATERIAL	Content	Classification*	Comment
INHA	9043-30-5			alpha-i-tridecyl-omega-hydroxy-polyglycolether	<5%	Xn; R22-41 Eye Dam. 1; H318 Acute Tox. 4 oral; H302	[1]
INHA	1760-24-3	217-164-6	01-2119970215-39			N, Xi; R41-43-51/53 Eye Dam. 1; H318 Skin Sens. 1B; H317	[1]

Type: INHA: ingredient
[1] = Hazardous or environmentally harmful substance
*Classification codes are explained in section 16

4. First Aid Measures

DESCRIPTION OF FIRST AID MEASURES

- General information: In case of accident or if you feel unwell seek medical advice (show label or SDS where possible)
- After inhalation: Provide fresh air
- After contact with the skin: Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible)
- After contact with the eyes: Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation
- After swallowing: Give several small portions of water to drink. Do not induce vomiting

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Any relevant information can be found in other parts of this section

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Further toxicology information in section 11 must be observed

5. Fire-Fighting Measures

- Suitable extinguishing media: Water mist, extinguishing powder, alcohol-resistant foam, carbon dioxide, sand
- Extinguishing media which must not be used for safety reasons
  Water spray, water jet
- Special hazards arising from the substance or mixture
  Hazardous decomposition products: alcohols, nitrous gases. Do not allow extinguishing water to enter sewerage, the soil or inshore waters.
- Special protective equipment for firefighting
  Use respiratory protection independent of recirculated air

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures
  Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping

- Environmental precautions: Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water
- Methods and material for containment and cleaning up: Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner
- Reference to other sections: Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13)

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING

- Precautions for safe handling: Ensure adequate ventilation. Spilled substance increases risk of slipping
- Precautions against fire and explosion: Observe the general rules for fire prevention. Product can separate ethanol and methanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces.
  Take precautionary measures against electrostatic charging. Keep away from sources of ignition and do not smoke. Cool endangered containers with water

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Conditions for storage rooms and vessels: Protect against frost
- Advice for storage of incompatible materials: Not applicable
- Further information for storage: Keep container tightly closed. Protect against sun
- Minimum temperature allowed during storage and transportation: 0 °C. Do not allow this material to freeze.
- Maximum temperature allowed during storage and transportation: 40 °C
- Specific end use(s): No data available

8. Exposure Controls/Personal Protection

- Control parameters

Material	CAS No.	Type	Mg/m³	Ppm
Ethanol	64-17-5	OEL	1920.0	1000.0
Methanol	67-56-1	OEL	266.0	200.0

EXPOSURE CONTROLS

- General protection and hygiene measures: Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin
- Personal protection equipment: Respiratory protection not required
- Hand protection: Recommendation: PVC gloves

- Eye protection: Protective goggles

EXPOSURE TO THE ENVIRONMENT LIMITED AND CONTROLLED

Prevent material from entering surface waters and soil

FURTHER INFORMATION FOR SYSTEM DESIGN AND ENGINEERING MEASURES

Observe information in section 7

9. Physical and Chemical Properties

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

• Physical state / form	Liquid	
• Colour	Milky white	
• Odour	Slight	

IMPORTANT INFORMATION ABOUT THE PROTECTION OF HEALTH, SAFETY AND THE ENVIRONMENT

• Melting point / melting range	-1 °C	
• Boiling point / boiling range	100 °C	
• Flash point	70 °C	(EN 22719)
• Sustained combustibility	> 100 °C	(ISO 9038)
• Ignition temperature	395 °C	(-)
• Lower explosion limit (LEL)	No data available	
• Upper explosion limit (UEL	No data available	
• Vapour pressure	23 hPa at 20 °C	
• Density	0.95 g/cm^3 at 20 °C	
• Water solubility / miscibility	Completely miscible	
• pH-Value	Approx. 8	
• Viscosity (dynamic)	Approx. 12 mPa.s at 25 °C	

OTHER INFORMATION

- Re 9.2 solubility in water: Hydrolytic decomposition occurs. Explosion limits for released methanol: 5.5 - 44%(V). Explosion limits for released ethanol: 3.5 - 15%(V)

10. Stability and Reactivity

- Reactivity; Chemical stability; Possibility of hazardous reactions: If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section
- Conditions to avoid: None known
- Incompatible materials: Reacts with: acids and alkalis. Reaction causes the formation of: ethanol and methanol
- Hazardous decomposition products: Ethanol, methanol

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11. Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

- Acute toxicity product details

Route of exposure	Result/Effect	Species/Test System	Source
Oral	LD50: > 2000 mg/kg The assessment is made under consideration of relevant data on ingredients	Rat	Conclusion by analogy

Acute toxicity estimate (ATE): ATEmix (oral): > 2000 mg/kg

- Skin corrosion/irritation — For this endpoint no toxicological test data is available for the whole product
- Serious eye damage / eye irritation — Based on the available data a clinically relevant eye irritation hazard is not expected

Result/Effect	Species/Test System	Source
Not irritating	Rabbit	Conclusion by analogy

- Respiratory or skin sensitization — For this endpoint no toxicological test data is available for the whole product
- Germ cell mutagenicity — For this endpoint no toxicological test data is available for the whole product
- Carcinogenicity — For this endpoint no toxicological test data is available for the whole product
- Reproductive toxicity — For this endpoint no toxicological test data is available for the whole product
- Specific target organ toxicity (single exposure) — For this endpoint no toxicological test data is available for the whole product
- Specific target organ toxicity (repeated exposure) — For this endpoint no toxicological test data is available for the whole product
- Aspiration hazard — For this endpoint no toxicological test data is available for the whole product
- Further toxicological information — Hydrolysis product / impurity: Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure. Hydrolysis product / impurity: According to literature, ethanol (67-17-5) irritates the mucous membranes, slightly irritates the skin, degreases the skin, is narcotic and may cause liver damage. May cause sensitization in contact with skin for susceptible individuals

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12. Ecological Information

- Toxicity: According to current knowledge adverse effects on water purification plants are not expected
- Persistence and degradability: Silicone content: biologically not degradable. Elimination by adsorption to activated sludge. The hydrolysis product (Ethanol) is readily biologically degradable. The product of hydrolysis (methanol) is readily biodegradable
- Bio accumulative potential: Bioaccumulation is not expected to occur
- Mobility in soil: No data known
- Results of PBT and vPvB assessment: No data available
- Other adverse effects: None known

13. Disposal Considerations

WASTE TREATMENT METHODS

- Material: Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations
- Uncleaned packaging: Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations
- Waste Disposal Legislation Ref.No.(EC): It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator

14. Transport Information

UN NUMBER; UN PROPER SHIPPING NAME; TRANSPORT HAZARD CLASS(ES); PACKING GROUP

- Road ADR: Not regulated for transport
- Railway RID: Not regulated for transport
- Transport by sea IMDG-Code: Not regulated for transport
- Air transport ICAO-TI/IATA-DGR: Not regulated for transport

ENVIRONMENTAL HAZARDS

Hazardous to the environment: no

SPECIAL PRECAUTIONS FOR USER

Relevant information in other sections has to be considered

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

Bulk transport in tankers is not intended

15. Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture: National and local regulations must be observed
  For information on labelling please refer to section 2 of this document

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- Relevant regulations: SI 2002/1689: CHIP Regulations 2002
  SI 2002/2677: COSHH Regulations 2002
  SI 1999/3242: Management of Health & Safety at Work Regulations 1999
  Health & Safety at Work Act 1974
  SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations
  Other national and local measures relating to the workplace, pollution control, environmental protection and waste control
- Chemical safety assessment: A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product

16. Other Information

- Material: The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements
- Further information: This version supersedes all previous versions
- Explanation of the GHS classification code:
  Eye Dam. 1; H318: Serious eye damage / eye irritation Category 1; Causes serious eye damage
  Acute Tox. 4; H302: Acute toxicity Category 4; Harmful if swallowed
  Eye Dam. 1; H318: Serious eye damage / eye irritation Category 1; Causes serious eye damage
  Skin Sens. 1B; H317: Skin sensitization Category 1B; May cause an allergic skin reaction
- R-Phrases: R22; R41: Harmful if swallowed. Risk of serious damage to eyes
  R41; R43; R51/53: Risk of serious damage to eyes. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

17. Disclaimer

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's Responsibility to satisfy himself as to the suitability of such information for his own particular use

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