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

Lime Inhibitor

Hazardous ingredients

Туре	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

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

Lime Inhibitor

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.

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

watei

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.	Туре	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

Lime Inhibitor

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
 Sustained combustibility
 To °C
 (EN 22719)
 (ISO 9038)

Ignition temperature 395 °C (-)

Lower explosion limit (LEL)

Upper explosion limit (UEL

Vapour pressure

Density

Water solubility / miscibility

No data available

No data available

23 hPa at 20 °C

0.95 g/cm³ at 20 °C

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

Lime Inhibitor

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 S	ystem	Source	
	Not irritating	Rabbit		Conclusion by analogy	
•	Respiratory or skin sensitization		For this endpoint no toxicological test data is available for the whole product		
۰	Germ cell mutagenicity		For this endpoint no toxicological test data is available for the whole product		
۰	Carcinogenicity		For this endpoint no toxicological test data is available for the whole product		
۰	Reproductive toxicity		For this endpoint no toxicological test data is available for the whole product		
•	Specific target organ toxicity (single		e exposure) For this endpoint no toxicological test data is available for the whole product		
•	Specific target orga	n toxicity (repea		cological test data is available for the whole	
۰	Aspiration hazard		For this endpoint no toxi product	cological test data is available for the whole	
•	Further toxicologica	al information	absorbed at all exposure cause irritation of the muvertigo and visual disord optic nerve), acidosis, spathe onset of these effects According to literature, eslightly irritates the skin,	urity: Methanol (CAS 67-56-1) is readily and rapidly routes and is toxic by all routes. Methanol may acosa, as well as nausea, vomiting, headaches, ers, including blindness (irreversible damage to the asms, narcosis and coma. There may be a delay in a after exposure. Hydrolysis product / impurity: thanol (67-17-5) irritates the mucous membranes, degreases the skin, is narcotic and may cause liver itization in contact with skin for susceptible	

individuals

Lime Inhibitor

12. Ecological Information

Toxicity According to current knowledge adverse effects on water purification plants

are not expected

None known

• 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

13. Disposal Considerations

WASTE TREATMENT METHODS

Other adverse effects

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

Road ADR

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

Lime Inhibitor

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: Énvironmental 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