MATERIAL SAFETY DATA SHEET

NEWTON 106

Lime Inhibitor

JOHN NEWTON
& COMPANY LIMITED (EST. 1848)

Rev 2.1 - 20 November 2012

PRODUCT CODE - LC1

1. Product Identification

- Trade name: Newton 106 Lime Inhibitor
- Substance name: Silane/modified siloxanes.

2. Hazardous Ingredients

- Component: Silane/siloxane (classification Xi; R38). Concentration > 30 - 50%.

3. Hazardous Identification

- Irritating to skin.

4. First-Aid Measures

- Eye contact: May cause temporary irritation. Irrigate with water for 15 minutes with eye open. Obtain immediate medical attention.
- Skin contact: In case of contact with skin wash off with soap and water.
- Ingestion: Wash out mouth with water. Do not induce vomiting. Seek immediate medical attention.
- Inhalation of vapour: Remove to fresh air.
- General: Remove soiled or soaked clothing immediately.

5. Fire-Fighting Measures

- Extinguishing media: Foam, carbon dioxide, dry powder, water spray.
- Unsuitable media: None.
- Special exposure hazards: In the event of fire the following can be released: Carbon Monoxide / Carbon Dioxide.
- Protective equipment: A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan.
- Burns: Apply sterile bandage. Obtain medical attention.

Newton House, 17-19 Sovereign Way, Tonbridge, Kent, TN9 1RH
T: +44 (0)1732 360 095 **W:** www.newton-membranes.co.uk **E:** info@newton-membranes.co.uk

6. Accidental Release Measures

- **Personal precautions** — Refer to section 8 for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.
- **Environmental considerations** — Do not discharge into drains or rivers. Contain the spillage using bunding.
- **Clean-up procedure** — Neutralise with alkali (soda ash, sodium carbonate, sodium bicarbonate). Absorb into dry earth or sand. Transfer to a closable, labelled container for disposal by an appropriate method.

7. Handling and Storage

- **Advice on safe handling** — No special precautions necessary. Handle in accordance with good hygiene and safety practice.
- **Storage conditions** — Store in clean and dry conditions between 5 & 35° C and away from direct sunlight or heat sources and frost. Keep container tightly closed.
- **Further information** — None.

8. Exposure Controls / Personal Protection

- **Exposure controls** — The product may contain low levels of volatile organic compounds which may evaporate during application and drying.
- **Engineering controls** — Ensure adequate ventilation of working area.
- **Personal protection** — Observe normal standards for handling chemicals. Avoid contact with skin and eyes. Wash hands before and after work. Wear protective equipment appropriate to the task (see below).
- **Eye protection** — Avoid contact with eyes. Safety glasses or visor should be worn.
- **Skin protection** — Butyl rubber gloves. Also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken.
- **Respiratory protection** — Not necessary in suitable ventilated work area. Respirator if ventilation is judged to be insufficient.
- **Other protection** — Protective overalls.

9. Physical and Chemical Properties

- **Physical form** — Mobile liquid.
- **Colour** — White.
- **Odour** — Faint / Typical
- **Flash point** — n/a
- **Water solubility** — Fully miscible.

Newton House, 17-19 Sovereign Way, Tonbridge, Kent, TN9 1RH
T: +44 (0)1732 360 095 **W:** www.newton-membranes.co.uk **E:** info@newton-membranes.co.uk

10. Stability and Reactivity

- Stability — Stable but may evolve hydrogen gas.
- Conditions to avoid — Frost and extremes of temperature.
- Hazardous decomposition products — In combustion emits toxic fumes of carbon dioxide/monoxide.

11. Toxicological Information

- Skin — May produce some skin irritation after prolonged contact.
- Eyes — May cause eye irritation.
- Inhalation — No significant effect.
- Ingestion — Not classified as 'harmful if swallowed'. May cause some irritation of the mouth and upper digestive tract.

12. Ecological Information

- Mobility — Readily absorbed into soil.
- Persistence — Not determined.
- Degradability — This product is poorly biodegradable.
- Bioaccumulation — No evidence for bioaccumulation.
- Ecotoxic effects — The product is not classified as Dangerous for the Environment.

13. Disposal Considerations

- General — Disposal of product and packaging should always comply with local and national regulations. Waste water containing product should be treated in a separation and biological treatment plant.
- Product disposal — Only at licenced disposal premises.
- Packaging disposal — Packaging - Cardboard should be recycled.
- Contaminated packaging — Wash to dilute and recycle.
- EU waste code — n/a

Newton House, 17-19 Sovereign Way, Tonbridge, Kent, TN9 1RH
T: +44 (0)1732 360 095 **W:** www.newton-membranes.co.uk **E:** info@newton-membranes.co.uk

14. Transport Information

- UN number: n/a
- ADR labelling: Not classified.
- IMDG code: Not classified.
- IATA Class: Not classified.

15. Regulatory Information

- General: Labelling according to EU directive 1999/45/EC
- Symbol: Irritant.
- Risk phrase: R38 - Irritating to skin
- Safety phrases: S24 - Avoid contact with skin.
  S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

16. Other Information

This Material Safety Data Sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in John Newton and Company Ltd. literature. It is the responsibility of the persons in receipt of this Material Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the John Newton and Company Ltd product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the John Newton and Company Ltd Product Material Safety Data Sheet to their own Material Safety Data Sheet in compliance with Commission Directive 1999/45/EC.

All sections of this Material Safety Data Sheet have been amended since the previous version. All information and instructions provided in the Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS. John Newton and Company shall not be held responsible for any defect in the product covered by this MSDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

DISCLAIMER

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. John Newton & Company shall not be held liable for any damage resulting from contact with or handling of the above product.

Newton House, 17-19 Sovereign Way, Tonbridge, Kent, TN9 1RH
T: +44 (0)1732 360 095 **W:** www.newton-membranes.co.uk **E:** info@newton-membranes.co.uk