NEWCLAY PRODUCTS

Newclay Products Limited
1 Battle Road
Heathfield Industrial Estate
Newton Abbot
Devon
TQ12 6RY
T: 01626 835700
F: 01626 835707
E: enquiries@newclay.co.uk
W: www.newclay.co.uk

MATERIAL SAFETY DATA SHEET

Hardener H1 (Liquid)

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE NAME OF THE SUPPLYING COMPANY

Product Name:	Hardener H1 (Liquid).
Supplier:	Newclay Products Limited (contact details above).
Emergency Contact:	+44 (0)1626 835700 (office hours).
MSDS Number:	N014.

2. HAZARDS IDENTIFICATION

Classification:	Harmful if swallowed or inhaled. Causes severe irritation to eyes, skin and respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition:	Water Sodium silicates Clay powder Pigments.
EC Number:	Not applicable.
CAS Number:	Not applicable.

4 FIRST-AID MEASURES

Inhalation:	Inhalation can cause severe irritation of mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. High concentrations may cause lung damage. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
Skin Contact:	Causes severe irritation. Symptoms include redness, itching and pain. Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:	Eye exposures produce severe irritation with effects similar to those of dilute caustics. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention immediately.
Ingestion:	Irritation of gastrointestinal tract. Wash out mouth with water. Do not induce vomiting. Give water to drink. If patient feels unwell seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:	Not combustible.

6. ACCIDENTAL RELEASE MEASURES

Safety Measures:	Wear appropriate PPE – see Section 8.
Environmental:	If material enters drains or watercourses, dilute as much as possible.
Spill Clean Up Methods:	Ventilate area of leak or spill. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer. Waste disposal in accordance with instructions (Section 13).

7. HANDLING AND STORAGE

Usage Precautions:	Avoid ingestion and eye contact. Gloves should be worn if there is a possibility of contact with the skin.
Storage Precautions:	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION PROTECTIVE EQUIPMENT

Engineering Measures:	Not applicable.
Respiratory Equipment:	Not applicable.
Hand Protection:	Wear impervious protective clothing, including gloves, apron or coveralls, as appropriate, to prevent skin contact.
Eye Protection:	Use chemical safety goggles and/or a full face shield where splashing is possible.
Hygiene Measures:	Avoid eating and drinking whilst using the product and wash hands thoroughly with soap and water after use. Protect clothing, work surfaces and furniture.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale green, slightly cloudy solution.
pH:	>12
Solubility:	Largely soluble in water.

10. STABILITY AND REACTIVITY

Stability:	Stable in Liquid form.
Reactivity:	Solutions will react with new surfaces of aluminium, zinc, and other reactive metals and their alloys, to evolve hydrogen.
Materials to Avoid:	Fluorine, mineral acids, organic acids, organic materials. May produce hydrogen gas on prolonged contact with reactive metals. Gels when mixed with acids. Solution is a strong base; reacts with acids, organic anhydrides, alkylene oxides, epichlorohydrin, aldehydes, alcohols, glycols, phenols, cresols, caprolactam solution.

11. TOXICOLOGICAL INFORMATION

Inhalation:	Irritating to throat, lungs and mucous membranes.
Ingestion:	Ingestion may result in burning sensation in the mouth and throat, inability to swallow and irritation of gastrointestinal tract with nausea and vomiting.
Skin Contact:	Irritating to skin.
Eye Contact:	Severe eye irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No information found.
Mobility:	Largely soluble in water.

13. DISPOSAL CONSIDERATIONS

General Information:	Waste should be treated as hazardous waste.
Disposal Methods:	Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

14. TRANSPORT INFORMATION

Road Transport Notes:	Not classified.
Rail Transport Notes:	Not classified.
Sea Transport Notes:	Not classified.
Air Transport Notes:	Not classified.

15. REGULATORY INFORMATION

Symbols:	Irritant.
Risk Phrases:	R41: Risk of serious damage to eyes.
Safety Phrases:	S25: Avoid contact with eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39: Wear eye / face protection.

Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

Material Use:	The material is intended for those educational, arts and crafts, hobby, floral, recreational, artistic and industrial purposes for which it is considered suitable. Additional assessment of its properties and potential hazards may be necessary if the material is to be used for other purposes.
Issue Date:	08 March 2014.
Revision Number:	Version 2.
MSDS Number:	N014.
MSDS Status:	Approved.