

SAFETY DATA SHEET

Lockwell USL Part A

Section 1.0 – Identification Of Material And Supplier

Product Name : Lockwell USL (Urea Structural Liner) Part A
Proper Shipping Name : Coating compound
Recommended use : Rock and Coal Strata Consolidation
Suppliers Name : Lockwell Systems Co.,Ltd. 199/5 Moo.21 Soi Chongsiri Parkland
T.Bangphleeyai A.Bangplee Samutprakarn 10540
Country of Origin : New Zealand
Phone Number : +662 181 9738
Date of Preparation : 1 July, 2016

Section 2.0 – Hazards Identification

Statement of Hazardous Nature: Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO Classification: 6.3A, 6.4A

HSNO Approval Code: HSR002644

Hazard and Precautionary Statements:

Hazard: Causes skin irritation
Causes serious eye irritation

Prevention: Read Safety Data Sheet before use
Wash hands thoroughly after handling
Wear protective gloves
Wear eye/face protection

Response: If medical advice is needed have product container or label at hand.

If on Skin – Wash with plenty of soap and water
Specific treatment (see first aid instruction on this label).
If skin irritation occurs, get medical advice/attention
Take off contaminated clothing and wash before re-use.

If in eyes - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical advice/attention.

In case of Fire: Use foam, water spray, dry powder, carbon dioxide. Do not use water jet.

Storage: Store in a cool dry place. Protect from direct sunlight.

Disposal: Recycle wherever possible.
Bury residue in an authorized landfill.
Recycle containers if possible. If not possible, dispose of in an authorized landfill.
Containers may still present a chemical hazard/danger when empty.



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If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, and then puncture containers, to prevent re-use, and bury at an authorized landfill.

Contact appropriate Waste management company for guidance and disposal options in your area.

Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

Section 3.0 – Composition / Information on Ingredients

Ingredients:	Cas No:	Percentage %:
Silicic acid, sodium salt, amine modified	1344-09-8	30-50
Triamine	39423-51-3	0-5

Section 4.0 – First Aid Measures

EMERGENCY & FIRST AID PROCEDURES

- Eye Contact:** Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
- Skin Contact:** After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.
- Inhalation:** If difficulties occur after vapor/aerosol has been inhaled, remove to fresh air and seek medical attention.
- Ingestion:** Rinse mouth immediately and then drink plenty of water. Seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.
- Note to physician:** Treat symptomatically.

Section 5.0 – Fire Fighting Measures

- Extinguishing Media:** Foam, water spray, dry powder, carbon dioxide. Do not use water jet.
- Special Fire Fighting Procedures:** Wear a self-contained breathing apparatus.
- Unusual Fire and Explosion Hazards:** Carbon monoxide, carbon dioxide, harmful vapors, nitrogen oxides, fumes/smoke, carbon black



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Section 6.0 – Accidental Release Measure

SPILLS AND DISPOSAL

Steps to be taken in case material is released or spilled:

Use personal protective clothing. Do not breathe vapor/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Waste Disposal Method:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc. Dispose of contaminated material as prescribed.
For large amounts: Pump off product.

Section 7.0 – Handling and Storage

SPECIAL PRECAUTIONS AND STORAGE DATA

Special Sensitivity (Heat, Light, Moisture):

Keep only in the original container in a cool, well ventilated place. Protect from direct sunlight. Store protected against freezing.

STORAGE AND TRANSPORT

Storage Temperature (Min/Max):

Protect from temperatures below 10°C

Average Shelf Life:

Section 8.0 – Exposure Controls / Personal Protection

EXPOSURE STANDARDS

Threshold Limit Value – Time Weighted Average (TLV-TWA):

Not established.

Threshold Limit Value – Short Term Exposure Limit (TLV-STEL):

Not established

Threshold Limit Value – Ceiling (TLV-C):

Not established

ENGINEERING CONTROLS

Ventilation:

PERSONAL PROTECTION

Skin and eye protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480minutes of permeation time according to EN 374): EG nitrile rubber, 0.4 mm, chloroprene rubber 0.5 mm, butyl rubber 0.7 mm and other manufacturer's directions for use should be observed because of great diversity of types. Safety glasses with side-shields (frame goggles) e.g. EN 166.

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Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

Respiratory Protection:

Suitable respiratory protection if ventilation is inadequate.

Combination filter for gases/vapors of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

FLAMMABILITY

Flammability Limits:

Not applicable

Section 9.0 – Physical and Chemical Properties

Appearance & Odor:	Colorless liquid
Boiling Point:	Not available
Vapor Pressure:	Not available
Specific Gravity:	Not available
Flash Point:	> 110°C
% Volatile by Volume:	Not available
Flammability Limits:	Not applicable
Solubility in Water:	Emulsifiable

Section 10.0 – Stability and Reactivity

REACTIVITY DATA

Stability:	Stable if stored and handled as prescribed.
Polymerisation:	Will not occur.
Incompatibility (Materials to avoid):	Strong acids, strong bases, strong oxidizing agents.
Hazardous decomposition products:	None if stored and handled as prescribed.

Section 11.0 – Toxicology Information

HEALTH EFFECTS

ACUTE:

Skin and Eyes:	Irritating to eyes and skin. Can cause serious damage.
Ingestion:	Causes temporary irritation of the respiratory tract.
Inhaled:	Causes temporary irritation of the respiratory tract a mucous membrane.

CHRONIC

Human Effects of Over Exposure:



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Section 12.0 – Ecological Information

No data available.

Section 13.0 – Disposal Considerations

DISPOSAL STATEMENT

Recycle wherever possible.

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Section 14.0 – Transportation Information

U.N. No:	Not applicable.
Haz Chem Code:	Not applicable
Dangerous Goods Class:	Non DG
Proper Shipping Name:	Not applicable
Packaging Group:	Not applicable
Toxic Substances Schedule:	Not applicable

Section 15.0 – Regulatory Information

HSNO Approval number:	HSR002644
HSNO Classification:	6.3A, 6,4A

Section 16.0 – Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This document was reviewed and revised on 21 June 2017.

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Prepared by: Lockwell Systems LLC