---------- 1. PRODUCT IDENTIFICATION ----------

TRADE NAME (as labeled): LATICRETE HYDRO BAN Adhesive & Sealant

CHEMICAL FAMILY: Hybrid Adhesive and Sealant

MANUFACTURERS NAME: LATICRETE Pty Ltd.
29 Telford Street,
Virginia, QLD 4012

For additional information: 1800331012, 07 38651599
Poisons information number: 131126
Date prepared or revised: 06/11/15

---------- 2. HAZARDS IDENTIFICATION ----------

Classification: Hazardous according to the criteria of the NOHSC. All components are listed on the AICS. Not classified as a Dangerous Goods substance according to the ADG code. Not classified as a scheduled poison according to the SUSDP. Professional use only.

Risk Phrases: R36 - Irritating to eyes, R41 – Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R37 - Irritating to the respiratory system. R34 - Corrosive, R51 - Toxic to aquatic organism

Safety Phrases: S24 - Avoid contact with skin. S25 - Avoid contact with eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin wash immediately with plenty of soap suds. S38 - In case of insufficient ventilation, wear suitable respiratory protection. S36/37/39 - Wear suitable protective equipment, clothing, gloves and eye/face protection. Respiratory protection if vapours/mists are generated.

---------- 3. COMPOSITION / INFORMATION ON INGREDIENTS----------

Chemical Names	CAS Numbers	Percent
Limestone	1317-65-3	65-70
Titanium dioxide	13463-67-7	0-9
Carbon black	1333-86-4	0-1
Other ingredients determined not hazardous	-	To 100

N/A= Not Applicable or Not Available

---------- 4. FIRST AID----------

FIRST AID or EMERGENCY PROCEDURES

EYE CONTACT: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

SKIN CONTACT: Remove product and immediately flush affected area with water for at least 15 minutes. Remove contaminated clothing and shoes. Launder contaminated clothing prior to reuse. See a physician if irritation persists.

INHALATION: Move patient to fresh air. If breathing has stopped or is laboured give assisted respiration (e.g. mouth-to-mouth). Supplemental oxygen may be indicated. Prevent aspiration of vomit. Turn victim's head to the side. Seek medical advice.

INGESTION: If swallowed, call a physician immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

First aid facilities
Provide industrial first aid facilities, eye wash station and safety showers as appropriate.

Notes to Physician
Possible aggravated pre-existing conditions – none reported.

Suggested treatment for acute symptoms, known antidotes – Provide care and treatment based on the patients reaction to the exposure. For further information contact the; Poisons Information Centre 131126 in all states (New Zealand Dial 0800764766)

Signs and Symptoms of exposure:
Acute: Contact with eyes causes severe irritation and pain. Burns of the eye may cause blindness. Inhalation of aerosols of chemically similar material in rats resulted in deaths during administration and in transient central nervous system symptoms, including lethargy, ataxia, tremors and convulsions.

Chronic: for each potential route of exposure. (Possible Longer Term Effects)
Repeated and/or prolonged exposures may result in: adverse eye effects (such as conjunctivitis or corneal damage).
Effects from inhalation of vapours may be delayed.

SUSPECTED CANCER AGENT?
X NO: This product's ingredients are not found in the lists below.

YES: _____ Federal OSHA _____NTP _____IARC

---------- 5. FIRE AND EXPLOSION ----------

Flash Point,^{0}C (give method) : NA

Auto ignition temperature,^{0}C: N/A

Flammable limits in air, volume %: Lower (LEL) N/A Upper (UEL) N/A

Fire extinguishing materials:
_____ water spray X_____ carbon dioxide _____ other: Alcohol Foam
X_____Alcohol resistant foam X_____ dry chemical

Ignition will give rise to a Class B fire. In case of fire use: Water Streams

Special firefighting procedures: Fire fighters should wear butyl rubber boots, gloves and body suit and a self-contained breathing apparatus. If water pollution occurs, notify appropriate authorities.

Unusual fire and explosion hazards: May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent. May generate carbon monoxide gas. May generate toxic nitrogen oxide gases. May generate ammonia gases. Personnel in vicinity and downwind should be evacuated.

---------- 6. ACCIDENTAL RELEASE MEASURES----------

Spill response procedures (include employee protection measures): Wear goggles and face shield. Stop the leak, if possible. Ventilate the space involved. Reduce vapour spreading with a water spray. Shut off or remove all ignition sources. Construct a dike to prevent spreading (includes molten liquids until they freeze). Collect run-off water and transfer to drums or tanks for later disposal.

Preparing wastes for disposal (container types, neutralization, etc.): Wear goggles and face shield. If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later

disposal. Place in metal containers for recovery or disposal. Flush area with water spray. Clean-up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck.

NOTE: Spills or accidental release of this product should be handled by containment, collection and subsequent safe disposal. Dispose of all wastes in accordance with federal, state and local regulations.

---------- 7. HANDLING AND STORAGE ----------

Handle with suitable personal protective equipment

Avoid eye or skin contact

Keep away from: acids, oxidizers. Keep in cool, dry, ventilated storage and in closed and free from leak containers. Product may partially freeze with extended exposure to cold temperatures. Product should be stored at temperature above 5^{O}C.

---------- 8. EXPOSURE CONTROLS & PERSONAL PROTECTION----------

No exposure standards for this product have been established. The standard for some of the ingredients has been set:

Substance	TWA	STEL
Carbon Black	3.0mg/m3	Not established
Limestone	10mg/m3	Not established
Titanium dioxide	10mg/m3	Not established

Ventilation and engineering controls: If used externally natural ventilation is generally adequate. General ventilation should be adequate Ventilate confined small spaces where mists or airborne particle levels are excessive or uncomfortable.

Respiratory protection (type): No respiratory protection is should be required if good ventilation is maintained. Use respirators fitted with organic vapour filters to AS1715 & AS1716 in areas with high vapour concentrations.

Eye protection (type): Use full face shield with a chemical goggle or safety glasses with side shields or safety glass to AS1337. Chemical goggles must be worn.

Gloves (specify material): Use impervious gloves, nitrile, butyl-rubber to AS2161.2. The breakthrough time of the selected gloves must be greater than the intended use period. In emergency situations, wear impermeable gloves with cuffs to prevent spread of materials to area above the wrists.

Other clothing and equipment: Wear long-sleeved, body covering impervious clothing, slicker suits, rubber suits (rain gear) overalls and rubber boots.

Work practices, hygienic practices: Wash at the end of each work shift and before eating, smoking or using the toilet. Launder or discard contaminated clothing. Familiarize the employees with the handling procedures in this section; also encourage prompt removal of contaminated clothing and clearing of contaminated areas. Examine protection equipment for defects and discard if required.

---------- 9. PHYSICAL PROPERTIES----------

Vapor density (air=1):	N/A	Melting point or range, ^{O}C:	Not Available
Relative density:	1.3-1.7	Boiling point or range, ^{O}C:	Not Available
Solubility in water:	insoluble	Evaporation rate (butyl acetate = 1):	N/A
Vapor pressure, mmHg at 21$_{0}$C:	N/A		
Color and form:	Off-white Paste		

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist): N/A

---------- 10. REACTIVITY DATA ----------

Stability: X Stable ____ Unstable

Conditions to avoid: Stable at ambient temperatures. Coagulation may occur following freezing, thawing or boiling.

Incompatibility (Materials to Avoid): Mineral acids (i.e., sulphuric, phosphoric, etc.). Organic acids (i.e., acetic acid, citric acid etc.). Oxidizing Agents (i.e., perchlorates, nitrates etc.) Sodium or Calcium Hypochlorite. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. A reaction accompanied by large heat release occurs when the product is mixed with acids. Heat generated may be sufficient to cause vigorous boiling creating a hazard due to splashing or splattering of hot material.

Hazardous decomposition products (including combustion products): (from burning, heating, or reaction with other materials).

Nitrogen oxide can react with water vapors to form corrosive nitric acid (TLV=2 ppm). Carbon Monoxide in a fire.
Carbon Dioxide in a fire. Ammonia when heated. Nitrogen Oxides in a fire. Irritating and toxic fumes at elevated temperature. Nitric acid in a fire. The oxides of nitrogen gases (except nitrous oxide) emitted on decomposition are highly toxic.

Hazardous polymerization _____ May occur X Will not occur

Conditions to avoid: N/A

---------- 11. TOXICOLOGICAL INFORMATION ----------

Information on likely routes of exposure

Ingestion	May cause discomfort if swallowed.
Inhalation	Not likely, due to the form of the product.
Skin contact	May cause skin irritation.
Eye contact	May cause eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Symptoms include redness, itching and pain.

Information on toxicological effects

Acute toxicity	May cause discomfort if swallowed.
Skin corrosion/irritation	May cause skin irritation on prolonged or repeated contact.
Serious eye damage/eye	
Irritation	May cause eye irritation on direct contact.
Respiratory sensitization	No data available.
Skin sensitization	Not a skin sensitizer.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Inhalation of carbon black or titanium dioxide dust may cause cancer, however due to the physical form of the

product, inhalation of dust is not likely.

IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4)	2B possibly carcinogenic to humans.
Titanium dioxide (CAS 13463-67-7)	2B possibly carcinogenic to humans.

Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	Not classified.
Chronic effects	No data available.

---------- 12. ECOLOGICAL CONSIDERATIONS----------

Eco toxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No data is available on the degradability of this product.

Bio accumulative potential: No data available for this product.

Mobility in soil: Not available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

---------- 13. DISPOSAL CONSIDERATIONS----------

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container emptied.

Dispose of all wastes in accordance with federal, state and local regulations.

---------- 14. TRANSPORT CONSIDERATIONS----------

Requirements under the ADG code, IMDG code, or the IATA DG code do not apply to this product

---------- 15. REGULATORY INFORMATION----------

All ingredients are listed on the U.S. EPA TSCA inventory of chemical substances. This product has been approved under Ministerial Condition NSN 16024 for Canada. Limited quantities of this product may be imported to Australia under NICNAS LTD1523. It is not on the Japanese ENCS, or Philippines PICCS. It may not be exported to those countries.

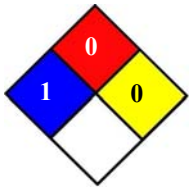
International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

---------- 16. OTHER INFORMATION----------

NFPA Ratings



References

HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)

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