

LION HARD

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Lion Hard
Product Code	-
Other Names	-
Product Use	Concrete Sealing & Hardening
Company Name	Seal Hard Australia Pty Ltd
Address	60 Centenary Place Logan Village QLD 4207
Telephone Number	07 5546 3660
Emergency Telephone	0413 443 556

2. HAZARDS IDENTIFICATION**Classification of the Substance or Mixture****Exclamation Mark**

H319 - Causes serious eye irritation	Serious Eye Damage/Irritation - Warning - Hazard Category 2A
H335 - May cause respiratory irritation.	STOT (Single Exposure) - Warning - Hazard Category 3
H315 - Causes skin irritation.	Skin Corrosion/Irritation - Warning - Hazard Category 2

GHS Label Elements Including Precautionary Statements**Prevention:**

Wash hands thoroughly after handling.
Wear eye protection and face protection.
Avoid breathing mist or vapours.
Use only outdoors or in a well-ventilated area.
Wear protective gloves.

Response:

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 attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical /attention.
Take off contaminated clothing and wash before reuse.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal:

Dispose of container in accordance with local, regional or national regulations.

Other hazards which do not result in classification

No additional information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation	Mixture	
Hazardous Ingredient	CAS Number	Proportion
Silicic acid, lithium salt	12627-14-4	<40%

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms occur.
Ingestion	If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.
Eyes	In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire. Use extinguishing media suitable for surrounding fire.
Hazardous Combustion Products	No information available.
Special Protective Actions for Firefighters	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	This material is non-combustible.
Hazchem Code	Not allocated.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation. Avoid breathing vapours and/or mists. Do not touch or walk through spilled material.
Environmental Precautions	In the event of a major spill, prevent spillage from entering drains or water courses.
Methods and Materials for Containment and Cleaning Up	Stop leak if safe to do so and contain spill. Absorb using an inert absorbent such as sand, clay, earth or vermiculite and transfer to proper containers for disposal. Spilled material is slippery. Promptly clean up spills.

7. HANDLING AND STORAGE

Precautions for Safe	Use of safe work practices are recommended to avoid eye or skin
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Handling	contact and inhalation of vapours and/or mists. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.
Conditions for Safe Storage	Store in a tightly closed original container in a cool, dry, and well ventilated area. Keep away from acids and metals. Store in clean plastic containers. Separate from acids, reactive metals, and ammonium salts. Keep from freezing. Recommended storage temperature 15°-60° C. Do not store in aluminum, steel, fiberglass, copper, brass, zinc or galvanized containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters - Exposure Standards (Safe Work Australia) Engineering Controls	No exposure standards set. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.
Personal Protective Equipment (PPE)	
Respiratory Protection	If all workplace limits are observed and good ventilation is ensured, no special precautions necessary. Wear a Safe Work Australia approved organic vapour respirator if ventilation is inadequate to keep vapours below the occupational exposure standards or if working in confined areas. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye/Face Protection	Safety glasses with top and side shields or goggles. See Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin Protection	Nitrile, neoprene or rubber gloves and protective clothing and apron. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.
Thermal Hazards	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless clear liquid
Odour	Odourless
Odour Threshold	No information available
pH	10 – 10.5
Melting Point	Not applicable
Initial Boiling Point / Range	101°C -102°C
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability	Non flammable
Lower Flammability or Explosive Limit	Not applicable
Upper Flammability or Explosive Limit	Not applicable
Vapour Pressure	Not applicable
Relative Density (Specific Gravity)	1.07

Solubility in Water	Complete (100%)
Auto-ignition Temperature	No information available
Percent Volatiles by Volume	No information available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at ambient temperature and under normal conditions of use
Hazardous Polymerization Conditions to Avoid	Will not occur.
Incompatible Materials	None. Acids and metals. Gels and generates heat when mixed with acid. Absorbs carbon dioxide on exposure to air. May react with ammonium salts resulting in evolution of ammonia gas. Prolonged contact with aluminum, tin, lead and zinc may produce flammable hydrogen gas
Hazardous Decomposition Products	Hydrogen.

11. TOXICOLOGICAL INFORMATION

Toxicity	Lithium compounds: Repeated ingestion or ingestion of large doses of soluble lithium compounds is reported to cause temporary mental function impairment. Repeated ingestion or ingestion of large doses of soluble lithium compounds during pregnancy is reported to cause fetal abnormalities.
Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Irritation	Causes serious eye irritation, with tearing, redness and pain.
Respiratory or Skin Sensitisation	Not expected to be a sensitiser.
Germ Cell Mutagenicity	Not expected to be a hazard.
Carcinogenicity	This product does NOT contain any IARC listed chemicals.
Reproductive Toxicity	Not expected to be a developmental toxicant. Not expected to impair fertility.
Specific Target Organ Toxicity (STOT) - Single Exposure	May cause respiratory irritation.
Specific Target Organ Toxicity (STOT) -Repeated Exposure	Not expected to be a hazard.
Aspiration Hazard	Not expected to be a hazard.
Existing Conditions Aggravated by Exposure	No information available.

12. ECOLOGICAL INFORMATION

Toxicity	No information available.
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Bioaccumulation, Persistence and Degradability No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration Please consult your state Land Waste Management Authority for more information.

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number	Not applicable
Proper Shipping Name	Not applicable
Dangerous Goods Class	Not applicable
Subsidiary Risk	Not applicable
Hazchem Code	Not applicable
Packing Group	Not applicable
Special Provisions	Not applicable
Limited Quantities	Not applicable
Packagings & IBCs - Packing Instruction	Not applicable
Packagings & IBCs - Special Packing Provisions	Not applicable
Portable Tanks & Bulk Containers - Instructions	Not applicable
Portable Tanks & Bulk Containers - Special Provisions	Not applicable

15. REGULATORY INFORMATION

Silicic acid, lithium salt is listed in the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Last Revision of MSDS Rev 1.0 (19/09/2012)
Prepared by MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations Used GHS – Globally Harmonised System of Classification and Labeling of Chemicals
IARC: International Agency for Research on Cancer
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts

Seal Hard Australia Pty Ltd	07 5546 3660
Seal Hard Australia Pty Ltd - Emergency Number	0413 443 556
Police and Fire Brigade	000
Poisons Information Centre	131126

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This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"