Safety Data Sheet
LRDIY - Tough Coat

Liquid Rubber® DIY
Easy Waterproofing Solutions

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Name of substance/preparation:	LRDIY - Tough Coat / Combined
Commercial product name:	LRDIY - Tough Coat
Use of substance:	Commercial and Industrial. Binder: Waterproofing, road surfacing, concrete sealing Areas of application: As agreed upon by the Applicator/ Engineer/Manufacturer.
Company name:	Nooncare Pty Ltd TA Liquid Rubber DIY
Address:	1 Conway Ct, Nerang QLD 4211
Phone:	1300 2 LRDIY (1300 257 349)
Email:	info@liquidrubberdiy.com
Emergency Information:	1300 2 LRDIY (International: +61431250418)
Emergency telephone number:	1300 2 LRDIY (International: +61431250418)

2. HAZARDS IDENTIFICATION

Classification: Non-Hazardous Chemical according to Australian GHS criteria. Non Dangerous Goods according to the Australian Dangerous Goods Code (ADG Code) for transport by road, sea, rail and air. Non hazardous substance or mixture.

Contains chloromethylisothiazolinone and methylisothiazolinone (3:1), 1,2-benzisothiazolone. May produce an allergic reaction.

3. COMPOSITION /INFORMATION ON INGREDIENTS

Chemical characteristics: Copolymer of: vinyl acetate + ethylene (dispersion in water)
Does not contain any reportable hazardous ingredients

4. FIRST-AID MEASURES

General information:	Under ordinary workplace conditions: No special measures required.
After contact with the eyes:	Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.
After contact with the skin:	Wash with plenty of water or water and soap. Seek medical advice in case of continuous irritation.
After inhalation:	No special measures required.
After swallowing:	In cases of sickness seek medical advice (show label if possible).

Advice for the physician: Due to its physical properties, may cause irritation. Product may agglutinate in the gastro-intestinal tract. Medical assistance should be sought. Depending on the symptoms, invasive measures may be necessary. Further toxicology information in section 11 must be observed.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:	Not applicable
Extinguishing media which must not be used for safety reasons:	Not applicable
Special hazards arising from the substance or mixture at low oxygen level:	Acetic acid.

Advice for Fire Brigade

Special protective equipment for fire fighting: Use respiratory protection independent of recirculated air.

General information

Product does not burn. Use extinguishing measures appropriate to the source of the fire. Dried up material is combustible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.
Environmental precautions
Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material.
Methods and material for containment and cleaning up
Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

General information:	No special protective measures required.
Precautions for safe handling:	Spilled substance increases risk of slipping.
Precautions against fire and explosion:	No special precautions against fire and explosion required.

Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:	Protect against frost.
Advice for storage of incompatible materials:	Not applicable
Further information for storage:	Not applicable
Min temperature for storage and transportation:	0 °C
Regulations and standards (Australia):	Store and handle in accordance with Work Health & Safety Regulations or Occupational Health & Safety Regulations.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT

Control parameters

Maximum airborne concentrations at the workplace:	Not applicable

Exposure controls
Exposure in the work place limited and controlled

General protection and hygiene measures:	Do not eat or drink when handling.

Personal protection equipment

Respiratory protection:	Not required
Eye protection:	Protective goggles
Hand protection:	Rubber gloves
Skin protection:	Not required

Exposure to the environment limited and controlled
Prevent material from entering surface waters and soil.

Further information for system design and engineering measures:	No special measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state/form:	Liquid
Colour:	White
Odour:	Weak
pH-value:	4.0 – 6.0
Melting point / melting range:	Approx. 0.00 °C
Boiling point / boiling range:	Approx. 100 °C at 1013 hPa
Flash point:	Not applicable
Evaporation rate:	No data available
Lower explosion limit (LEL):	Not applicable
Vapour pressure:	23 hPa at 20 °C
Water solubility / miscibility:	Moderately soluble
Relative gas/vapour density:	No data known
Relative Density:	Approx. 1.07 (20 °C) (Water / 4 °C = 1.00)
Density:	Approx. 1.07 g/cm³ (20 °C)
Partition coefficient: n-octanol/water:	No data known.
Ignition temperature:	Not applicable
Viscosity (dynamic):	1900 - 2800 mPa.s at 25 °C
Molecular mass:	Not applicable

10. PHYSICAL AND CHEMICAL PROPERTIES

Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

Conditions to avoid: None known

Incompatible materials: None known

Hazardous decomposition products

If stored and handled properly:	None known
At increased temperature:	Acetic acid

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Assessment: Based on the available data acute toxic effects are not expected after single oral exposure.

Exposure route	Result/Effect	Species/Test system	Source
Oral	LD_{50}: > 2000 mg/kg	rat	Conclusion by analogy OECD 423

Skin corrosion/irritation

Assessment: Based on the available data a clinically relevant skin irritation hazard is not expected.

Exposure route	Result/Effect	Species/Test system	Source
Skin contact	Not irritating	Rabbit	Conclusion by analogy OECD 404

Serious eye damage / eye irritation

Assessment: Based on the available data a clinically relevant eye irritation hazard is not expected.

Exposure route	Result/Effect	Species/Test system	Source
Eye contact	Not irritating	Rabbit	Conclusion by analogy OECD 405

Respiratory or skin sensitization

Assessment: Based on the available data a sensitization reaction is not expected from this product.

Exposure route	Result/Effect	Species/Test system	Source
Dermal	Not sensitizing	mouse; LLNA (local lymph node assay)	Conclusion by analogy OECD 429

Germ cell mutagenicity

Assessment: Based on known data a significant mutagenic potential may be excluded

Result/Effect	Species/Test system	Source
Negative	mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

Carcinogenicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Reproductive toxicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity (single exposure)

Assessment: For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity (repeated exposure)

Assessment: For this endpoint no toxicological test data is available for the whole product.

Aspiration hazard

Assessment: Based on the physical-chemical properties of the product no aspiration hazard must be expected.

Further toxicological information

No information on damage to health during manufacture and use.

12. ECOLOGICAL INFORMATION

Toxicity

Assessment: No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

Result/Effect	Species/Test system	Source
LC_{50}: > 100 mg/l	Rainbow trout (Oncorhynchus mykiss) (96 h)	Conclusion by analogy OECD 203
EC_{10}: > 1000 mg/l	Sludge (0.5 h)	Conclusion by analogy

Persistence and degradability

Assessment: Polymer component: Not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.

Bioaccumulative potential

Assessment: No adverse effects expected.

Mobility in soil

Assessment: No adverse effects expected.

Other adverse effects

None known

Additional information

According to present knowledge, no adverse influence to environment expected.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Material

Recommendation: Dispose of according to the regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

Uncleaned packaging

Recommendation: Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local /state/federal regulations.

Recommended cleaning agent: Water

14. TRANSPORT INFORMATION

UN number; UN proper shipping name; Transport hazard class(es); Packing group

Land transport ADG Code (road and rail):

Valuation: Not regulated for transport

Transport by sea IMDG-Code:

Valuation: Not regulated for transport

Air transport ICAO-TI/IATA-DGR:

Valuation: Not regulated for transport

Environmental hazards

Hazardous to the environment: No

Special precautions for user

Relevant information in other sections has to be considered.

Transport in bulk according to Annex II of MARPOL and the IBC Code

Bulk transport in tankers is not intended

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Poisons Standard (Standard for the Uniform Scheduling of Medicines and Poisons; SUSMP)

Poisons Schedule number:

Not a Scheduled Poison.

Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

South Korea (Republic of Korea):	**ECL** (Existing Chemicals List): This product is listed in, or complies with, the substance inventory.
Japan:	**ENCS** (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory.
Australia:	**AICS** (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.
People's Republic of China:	**IECSC** (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Canada:	**DSL** (Domestic Substance List): This product is listed in, or complies with, the substance inventory.
Philippines:	**PICCS** (Philippine Inventory of Chemicals and Chemical Substances): This product is listed in, or complies with, the substance inventory.
United States of America (USA):	**TSCA** (Toxic Substance Control Act Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory.
Taiwan (Republic of China):	**TCSI** (Taiwan Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory. General note: Taiwan REACH requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.
European Economic Area (EEA):	**REACH** (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

16. OTHER INFORMATION

Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

Further information:

This SDS supersedes all previous versions.

Glossary of Terms:

CAS No. - Chemical Abstracts Service Registry Number
UN No. - United Nations Dangerous Goods Number
ADG Code - Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road & Rail
IMDG Code - International Maritime Dangerous Goods Code
IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulations
NOHSC - Australian National Occupational Health and Safety Commission
OEL - Occupational exposure limit in Great Britain
AGW - Occupational exposure limit in Germany
ES_AU - Occupational exposure standard in Australia

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