

## Material Safety Data Sheet

### Section 1: Identification of Product & Supplier

Product: DLR, DEKS LEAD ROLL

Uses: Waterproofing medium for civil constructions

Manufactured by: Deks Industries Pty Ltd

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### Section 2: Hazards Identification

Risk Phases: R20/21 Harmful by inhalation and contact with skin  
R22 Harmful if swallowed  
R33 Danger of cumulative effects

Safety Phases: S13 Keep away from food, drink and animal feed stuffs  
S20/21 When using do not eat, drink or smoke

D.G Class: Not classified as dangerous goods

Exposure Risk: Long term exposure through inhalation of lead dust or fume can result in lead poisoning. Exposure to high levels of airbourne or ingested lead may produce symptoms of abdominal pain, anaemia, constipation, insomnia, nausea and weakness. Women of child bearing age should avoid exposure to lead due to post natal effects. Kidney damage occurs on long term exposure through inhalation or ingestion of the dust or fume.

### Section 3: Composition & information on ingredients

Composition: Lead >99.9 %, CAS Number 7439-92-1

### Section 4: First Aid Measures

Eye Contact: In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Seek medical advice to remove foreign body if required. Get medical attention if irritation occurs.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

<b>Section 5:</b>	<b>Fire-Fighting Measures</b>
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Extinguishing Media: Dry chemical powder, Carbon dioxide.

Specific Hazards: Toxic fumes and vapours are produced by molten lead. Dust explosion potential exists.

Special fire-fighting procedures: None identified.

Fire-fighter: Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

<b>Section 6:</b>	<b>Accidental Release Measures</b>
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Small Spills: Break up and recycle as scrap, do not allow to enter drains or water ways. (If molten allow to solidify and cool before recovering)

Large Spill: Break up and recycle as scrap, do not allow to enter drains or water ways. (

<b>Section 7:</b>	<b>Handling &amp; Storage</b>
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Handling: Gloves recommended and safety footwear when handling large rolls. Observe occupational best practice when lifting.

Storage: Material is stable, above 500°C fumes may be generated. Store away from oxidising agents and acids. Keep away from food stuffs.

<b>Section 8:</b>	<b>Exposure Controls &amp; Personal Protection</b>
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National Exposure Limits: ES – TWA 0.15 mg/m<sup>3</sup>  
ES – STEL n.a.  
ES – Peak n.a.

Biological Limits Values: No biological limit allocated.

Engineering Controls: Special ventilation is not normally required due to the low volatility and stability of the product at normal temperature.

Personal Protection: Respiratory: An approved dust/fume respirator and protective clothing should be worn when TWA values may be exceeded.  
Skin & Body: Safety boots and protective clothing should be worn. Wash contaminated clothing before storing or re-using. Wash hands before eating, drinking, smoking or toileting.  
Hand Protection: Leather gloves  
Eye Protection: Safety glasses with side shields or full face mask.

<b>Section 9:</b>	<b>Physical &amp; Chemical Properties</b>
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Physical Appearance: Solid metallic, easily malleable

Colour: Grey

Flash Point: n.a.

Vapour Density: n.a.

Viscosity: n.a.

pH: n.a.

Melting Point: 327°C

Boiling point: >1 700°C

Specific Gravity: 11.3

Solubility: Insoluble in water

<b>Section 10:</b>	<b>Stability &amp; Reactivity</b>
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Stability: The product is stable under normal conditions and use.

Reactivity: Incompatible with oxidisers. Reacts with hot concentrated nitric acid, sulphuric acid, hydrochloric acid and peroxides.

Hazardous Decomposition: Produces toxic fumes (oxides of lead) at elevated temperatures

Products:

Hazardous Reactions: Nil

<b>Section 11:</b>	<b>Toxicology Information</b>
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Toxicity: LD<sub>50</sub> Pigeon Oral 160 mg/kg

Acute Effects: Ingestion: Unlikely route of entry unless in the form of dust. Lead is absorbed in small amounts from the gastrointestinal tract, which may enter through the swallowing of particiles.

Eye: Unlikely route of entry. Unless in the form of dust or fine particles may cause inflammation, soreness or scratches of the eye.

Skin: Unlikely route of entry due to the acrylic coating, exposed edges may cause skin irritation

Inhaled: Unlikely route of entry, dust or fumes are readily absorbed from the respiratory tract and may result in symptomatic poisoning.

<b>Section 12:</b>	<b>Ecological Information</b>
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Ecotoxicity: This product has no effect on the environment unless in finely divided form  
No data available

Persistence/Degradation: No data available

  n: It is relatively low in the aquatic environment and can be concentrated by aquatic organisms

Mobility: Environmental Fate: No data available

Bioaccumulative Potential: No data available

Additional information: Material is specifically designed to be kinder to the environment and negate the risks associated with traditional lead sheet.

<b>Section 13:</b>	<b>Disposal Consideration</b>
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**Disposal Method:** Scrap should be recycled. Dispose of in accordance with all local, state and federal regulations at an approved waste disposal facility.

**Landfill:** Not suitable for landfill

**Incineration:** Not suitable for incineration

<b>Section 14:</b>	<b>Transport Information</b>
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For road, marine and air transport this product is not classified as dangerous goods within the context of National Transport Regulations.

UN. No.: Not Allocated

Shipping Name: Not Applicable

  Class: Not classified as dangerous goods.

Subsidiary Risk: Nil

Packaging Group: Not Applicable

Hazchem Code: Not Applicable

  EPG: Not Applicable

Segregation: Not Applicable

**Section 15:****Regulatory Information**

Poison Schedule Not allocated  
Number:  
EPG: Not allocated  
AICS Name: Not allocated  
NZ Toxic Substance: Not allocated

**Section 16:****Other Information**

**Date of Preparation:** 19.12.11

**Date or Revision:** 19.12.11

**Reasons for Issue** New Information

MSDS's are updated frequently. Please ensure you have the current copy. This MSDS summarises at the date of issue our best knowledge of health and safety hazard information of the product, and in particular how to handle and use the product in the workplace. Since Deks Industries Pty Ltd cannot anticipate or control the conditions under which the product may be used each user must, prior to usage, review this MSDS in the context to use and handling of the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Deks Industries Pty Ltd. Our responsibility for the product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.