

## SAFETY DATA SHEET INFORMATION

For further information: Please refer to the Safety Data Sheet following

Issue: August 19

**PRODUCT:** Switch Lube SPL435

**Other Names:** Lubricant

**Uses:** Spray-on lubricant, protective fluid

**Signal Word:** None

<b>UN No.:</b>	N/R
<b>Dangerous Goods Class:</b>	N/R
<b>Subsidiary Risk:</b>	None
<b>Packing Group:</b>	N/R
<b>Hazchem Code:</b>	N/R
<b>Poisons Schedule:</b>	None

<b>Hazard Category:</b>	This product is classified as not hazardous in accordance with GHS criteria in Australia
<b>Hazard Statement:</b>	Not hazardous: intentionally left blank
<b>GHS Classification:</b>	No GHS Hazard Classification applies
<b>Exposure Standards:</b>	TWA: None specified; consider 5 g/m <sup>3</sup> ; STEL: None specified; consider 5 g/m <sup>3</sup>

### Physical Characteristics (Typical) Section 9 of the SDS

Appearance	Transparent, honey-coloured mobile fluid
Boiling Point/Range (°C):	> 250
Flash Point (°C):	> 100
Specific Gravity/Density (g/ml @ 15°C):	0.90
pH:	Neutral
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	Excessive heat, oxidising agents, mineral acids, strong alkalis

### Product Ingredients Section 3 of the SDS

Ingredient	CAS Number	Proportion
Dearomatised hydrocarbon	64742-46-7	> 50
Lanolin derivatives and concentrates	various	< 40
Rheology modifiers	various	< 10

For further ingredients information, please refer to the full MSDS

### GHS Pictograms Section 2 of the SDS

Not hazardous: intentionally left blank

#### DEFINITIONS

Dangerous Goods	Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous Goods for transport by Air and Sea, but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification.
Poisons	Poisons are products that are regulated by the dose or exposure, often having physical and chemical effects at certain concentrations particular to the nature of the product. The associated warnings, cautions and First Aid instruction are prescriptive under the regulation in Australia.

## 1. IDENTIFICATION

**Product Name:** SPL435 Switch Lube  
**Other Names:** Lubricant  
**Chemical Family:** Industrial, thin film coating and protection spray  
**Molecular Formula:** Not available  
**Recommended Use:** Spray-on lubricant, protective fluid  
**Supplier:** Lanolin Technologies Pty Ltd.  
**ABN:** 82 627 249 629  
**Address:** 2/100 Mitchell Road, CARDIFF NSW 2285  
**Telephone:** +61 1300 664 663  
**Emergency Phone:** +61 1300 664 663  
**All other inquiries:** [info@lantoscoatings.com](mailto:info@lantoscoatings.com)

## 2. HAZARDS IDENTIFICATION

### Hazard Category

This product is classified as not hazardous in accordance with GHS criteria in Australia

### GHS Classification

No GHS Hazard Classification applies

### GHS Pictograms

Not hazardous: intentionally left blank

### Hazard Statement

Not hazardous: intentionally left blank

### Hazard Statements

Not hazardous: intentionally left blank

### Precautionary Statements

Not hazardous: intentionally left blank

**Dangerous Goods Classification** N/R

**Poisons Schedule** None

**Signal Word** None

## 3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
Dearomatised hydrocarbon	64742-46-7	> 50
Lanolin derivatives and concentrates	various	< 40
Rheology modifiers	various	< 10

Note: contains < 0.1% benzene

## 4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

### Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

### Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

### Skin Contact

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

**Inhalation**

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Seek immediate medical attention.

**First Aid Facilities**

Provide eye baths and safety showers.

**Medical Attention**

Treat according to symptoms; this product is unlikely to induce narcotic effects.

## 5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

**Suitable Extinguishing Media**

Dry chemical or foam

**Hazards from combustion products**

Carbon monoxide, carbon dioxide, and other organic material

**Precautions for fire fighters and special protective equipment**

Fully self-contained breathing apparatus

**Hazchem Code**

N/R

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures**

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

**Methods and materials for containment*****Major Land Spill***

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity"

***Major Water Spill***

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- See "First Aid Measures" and "Stability and Reactivity".
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

This product will fuel a fire in progress and may create hazardous vapours on burning. This product is an emolient, and will become slippery if spilled. Employ standard industrial hygiene practices when handling this product.

### Conditions for Safe Storage

Store in a cool, dry place away from direct sunlight. Protect containers from physical damage and check regularly for leaks. Avoid release to the environment, store in bunded areas and ensure exit drains are closed.

### Incompatible Materials

None established

## 8. EXPOSURE CONTROLS: PERSONAL PROTECTION

### National Exposure Standards

The time weighted average concentration (TWA) for this product is: None specified; consider 5 g/m<sup>3</sup>, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: None specified; consider 5 g/m<sup>3</sup>, which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): None applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitiser, represented as (Sen), where None applies in this case.

### Biological Limit Values (BLV)

No data available

### Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

### Personal Protective Equipment

**Respiratory Protection:** Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type 'A' filter material is considered suitable for this product.

**Eye Protection:** Always use safety glasses or a face shield when handling this product.

**Skin/Body Protection:** Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical Value
Appearance	None	Transparent, honey-coloured mobile fluid
Boiling Point/Range	°C	> 250
Flash Point	°C	125
SG/Density (@ 15°C)	g/ml; kgm <sup>-3</sup>	0.90
Vapour Pressure @ 20°C	kPa	No data available
Vapour Density @ 20°C	g/ml; kgm <sup>-3</sup>	No data available
Autoignition Temperature	°C	> 450
Explosive Limits in Air	% vol/vol	No data available
Viscosity @ 20°C	cPs, mPas	40
Percent volatiles	% vol/vol	> 60

Property	Unit of measurement	Typical Value
Acidity/alkalinity as pH	None	Neutral
Solubility in Water	g/l	Immiscible
Other solvents	-	Hydrocarbons, organic solvents

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable at room temperature and pressure

### Conditions to avoid

Excessive heat, oxidising agents, mineral acids, strong alkalis

### Hazardous decomposition products

Carbon monoxide, carbon dioxide, other complexes on incomplete burning or oxidation

### Hazardous reactions

None established

### Hazardous polymerisation

Will not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Effects

#### **Ingestion**

This product is likely to cause discomfort on swallowing and may result in gastric disturbance and soft tissue irritation.

#### **Eye Contact**

Eye contact with this product may cause discomfort, but will be relieved with First Aid.

#### **Skin Contact**

Contact with this product may result in mild irritations for those with sensitive skin. The product is an emolient and may be easily absorbed through the skin.

#### **Inhalation**

Mists of this product may be uncomfortable on inhalation. Vapours are unlikely to be apparent except at elevated temperatures.

### Chronic Effects

There are no known chronic effects of this product.

### Other Health Effects Information

There are no expected adverse health effects.

### Toxicological Information

Oral LD<sub>50</sub>: No data available; > 2000 mg/kg

Dermal LD<sub>50</sub>: No data available; > 2000 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### **Aquatic Toxicity:**

Fish Toxicity LC<sub>50</sub>: No data available; > 10 mg/L

Daphnia Magna EC<sub>50</sub>: No data available; > 10 mg/L

Blue-green algae: No data available; > 10 mg/L

Green algae: No data available; > 10 mg/L

**Persistence/Biodegradability:** This product contains components which will evaporate on exposure to light and air. The residue will biodegrade over time.

**Mobility:** This product will be mobile on release to the environment, risking contamination of waterways, soils and grasslands. The product is not considered toxic to the environment.

### 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

**Special Precautions**

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for use in recycling.

### 14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	N/R	UN No.	N/R	UN No.	N/R
Proper Shipping Name	Naturally-derived lubricant	Proper Shipping Name	Naturally-derived lubricant	Proper Shipping Name	Naturally-derived lubricant
DG Class	N/R	DG Class	N/R	DG Class	N/R
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	N/R	Packing Group	N/R	Packing Group	N/R
Hazchem	N/R	Hazchem	N/R	Hazchem	N/R

**Dangerous Goods Segregation**

This product is not regulated for transport by Road and Rail.

### 15. REGULATORY INFORMATION

**Country/Region:** Australia

**Inventory:** AICS

**Status:** Listed

**Poisons Schedule:** None

### 16. OTHER INFORMATION

**Reasons for Issue:** New manufacturer information; changes and updates in multiple sections.

**Abbreviations:**

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

GHS: Global Harmonised System

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

UN: United Nations

**References:**

- Supplier Safety Data Sheets
- <http://hsis.safework.gov.au/SearchHS.aspx> (August 19)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (August 19)
- Ecotoxicology data: <https://cfpub.epa.gov/ecotox/search.cfm> (August 19)
- *Sax's Dangerous Properties of Industrial Materials*, Richard J Lewis Snr., pub. Canada (2005)

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Lanolin Technologies Pty Ltd.

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