

## Material safety data sheet **CHRYSO®TSL LP** **(Liquid Polymer)**

A dustless thin skin liner that is a two pack product.



### 1. Identification of substance/preparation and company

Substance/preparation

Trade name: **CHRYSO®TSL LP (Liquid Polymer)**

Normal use: Thin Skin Liner

Company

**CHRYSO Southern Africa (Pty) LTD**

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### 2. Composition/information on ingredients

Hazardous substances that are present independently from one another: cement >20%

Other substances representing a hazard: no known substances within this category.

Other substances with occupational limits: no known substances within this category.

CAS number: 65997-15-1

EcoChem: 36.01.09

SAPMA Health Rating: 2 (Moderate) – Temporary or minor injury possible even if treatment is given

UN number: 2-H-E

EC Classification: Xi R36/37/38 S02,13,26,46

EEC Labels: XI OEL 10/4 mg T/R

CL/RL: S (Skin annotation)

### 3. Identification of hazards

**CHRYSO®TSL LP** is not classed as hazardous to health by directive 88/379/EEC and is not flammable.

#### Inhalation

**CHRYSO®TSL LP** is not expected to present a significant hazard under the anticipated conditions for normal use; however inhalation of **CHRYSO®TSL LP** may cause respiratory irritation.

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### Ingestion

CHRYSO®TSL LP must not come into contact with food or be consumed because swallowing the product represents a health hazard and may create symptoms like abdominal pain and nausea.

### Eyes

CHRYSO®TSL LP will act as an irritant when it comes into contact with one's eyes and may cause redness, pain and blurred vision. The product may cause permanent damage to the eyes if it is not given prompt attention.

### Skin

Repeated or prolonged contact with the skin will cause irritation. There is a risk of dermatitis.

## 4. First aid

As a general rule, always call a doctor in case of doubt or if symptoms persist. Never induce swallowing in an unconscious person.

### Inhalation

In the event of exposure by inhalation, move the patient into fresh air and keep him/her warm and still. If coughing persists, call a doctor. If breathing is irregular or has stopped, give mouth-to-mouth resuscitation and call a doctor. Do not give the patient anything orally.

### Ingestion

With ingestion, wash out mouth thoroughly with fresh water, but do not induce vomiting. Seek medical advice and show this material safety data sheet.

### Eyes

If CHRYSO®TSL LP has any contact with a person's eyes hold the eyelids open and wash thoroughly with water. Regardless of the initial state, refer the patient to an ophthalmologist and supply this material safety data sheet.

### Skin

Should CHRYSO®TSL LP have any contact with the skin, wash the affected area with soap and water. Remove contaminated clothing. Obtain medical attention if irritation persists.

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### 5. Fire fighting measures

This is not relevant as CHRYSO®TSL LP is not flammable. No direct explosion hazard is expected.

### 6. Measures to be taken in the event of accidental spillage

#### Safety precautions

Consult safety measures under section 7 and section 8 of this data sheet (handling and storage, exposure control/personal safety).

#### Environmental safety precautions

Prevent any material from entering drains or waterways. Use drums to dispose of waste that is recovered in accordance with section 13 of this data sheet (disposal considerations). If CHRYSO®TSL LP contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

#### Cleaning methods

Contain and control. Clean preferably with a detergent, do not use solvents.

### 7. Handling and storage

The regulations that apply to the storage premises of CHRYSO®TSL LP must apply where the product is handled.

CHRYSO®TSL LP must be handled in accordance with good industrial hygiene and safety procedures. Observe precautions stated on the label as well as industrial safety regulations.

Keep the product away from a person's or an animal's food or drink. All smoking, eating and drinking must be prohibited on premises where the preparation is used. Wash hands and other exposed areas with mild soap before one eats, drinks or smokes and before leaving work. Avoid any contact with the eyes.

CHRYSO®TSL LP must be stored in closed packaging in a cool, dry, well ventilated area. Ensure that the product is kept dry at all times. Prevent access of any unauthorised personnel onto the premises.

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### 8. Exposure control/personal safety



Exposure limits per INRS ND 1945-153-93 / (1996) and ND 2022-163-96: substances within this category: are unknown.

#### Respiratory protection

Where exposure through inhalation may occur from use, approved respiratory protection is recommended of class FFP2. Provide adequate ventilation

#### Skin protection

Personnel must wear regularly laundered overalls and physical protective equipment including gloves. The gloves should be resistant to chemical penetration. Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

#### Eye protection

Avoid contact with eyes and use safety goggles. Do not touch eyes with dirty gloves or hands. Supply eye washes in workshops where **CHRYSO®TSL LP** is constantly handled.

For further information, see section 11 of this safety data sheet (toxicological information).

### 9. Physical and chemical properties

#### Cement part

- Physical state (20°C): One part – powder and another part liquid polymer in a bottle
- Colour: White/Grey/Super white
- Specific gravity (20°C): 2.80
- pH: alkaline
- Final setting time: 2 hours (@25°C)
- Application thickness: 2 mm – 8 mm
- Application temperature: 5°C - 35°C
- Flammability (DIN 4102 – B2): Self extinguishing

#### Liquid part

- Physical state (20°C): liquid
- Colour: milky white
- Specific gravity (20°C): ±1.00
- Smell: odourless
- Non volatile content (NVC): ±30%
- Solubility in water: miscible in all proportions
- Boiling point: 100°C (water)
- Freezing point: 0°C (water)



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### 10. Stability and reactivity

This material is stable at the handling and storage conditions recommended in section 7 (handling and storage) of this data sheet.

CHRYSO®TSL LP is inert – (no reaction with fire fighting water)

### 11. Toxicological information

Cement part

LD50 Oral: > 500 mg (derived)

Liquid part

LD50 oral: >2000mg/kg (rats)

### 12. Ecological information

Cement Part

Not considered dangerous to the environment.

Liquid Part

Aquatic: LC50 380mg/l (fish)

Biodegradability: BOD5 @ 0.1% is 150-300mg/l

### 13. Disposal considerations

Do not pour into drains or waterways. Dispose this product and its packaging at a hazardous or special waste collection point in a safe manner and in accordance with national/municipal regulations; avoid its release into the environment.

### 14. Transport information

Not dangerous for transport

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### 15. Regulatory information

This document conforms to *General Administrative Regulations of 6 September 1996 (ISO-11014/ANSIZ400.1.1996)*

EC Classification: Xi R36/37/38 SO2, 13, 26, 46

### 16. Other information

The contents and format of this material safety data sheet are in accordance with EEC Commission Directive 2001/58/EC.

OELs derived from OHS Act Regulations for Dangerous Chemical substances of 25 August 1995 (EH-42)

SAPMA Rating – South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)

Recommendations were extracted from the EcoChem database (Les Fisher – 031-2660523)

Disclaimer: The user's working conditions are not known by CHRYSO, the information supplied on this safety data sheet is based on CHRYSO's current level of knowledge and on national and community regulations.

CHRYSO®TSL LP must not be used for any purposes other than those specified under section 1 (identification of the substance/preparation and the company) without first obtaining written instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

The contents and format of this material safety data sheet are in accordance with EEC Commission Directive 2001/58/EC.