

Material safety data sheet **CHRYSO® Dem WP**

Release agent – delayed, wax based, for coffer moulds



Classification
Combustible



Classification
Ecotoxic

1. Identification of substance/preparation and company

Substance/preparation

Trade name: **CHRYSO® Dem WP**

Normal use: Release Agent

Company

CHRYSO Southern Africa (Pty) LTD

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2. Composition/information on ingredients

Product description: Paraffin wax, natural resins and solvent

3. Identification of hazards

Inhalation

CHRYSO® Dem WP is not expected to present a significant hazard under the anticipated conditions for normal use; however inhalation of **CHRYSO® Dem WP** vapour may cause respiratory irritation, dizziness and nausea.

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Ingestion

CHRYSO® Dem WP may cause abdominal discomfort, nausea, salivation, diarrhoea and respiratory difficulties.

Eyes

Not expected to cause eye irritation.

Skin

Prolonged or repeated exposure is likely to cause reddening, itching of the skin.

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 resulting in symptoms stipulated in section 3 (identification of hazards), move the patient into fresh air and keep him/her warm and still. Administer oxygen. Seek medical attention if symptoms persist. Do not give the patient anything orally. Administer artificial respiration if person stops breathing.

Ingestion

With ingestion, (if conscious) wash out mouth thoroughly with fresh water or milk and give one or two glasses of water to drink. Do not induce vomiting, except on the advice of medical personnel. Seek medical advice if gastrointestinal symptoms develop and show this material safety data sheet.

Eyes

If **CHRYSO® Dem WP** is splashed in or has any contact with a person's eyes - hold the eyelids open and wash thoroughly with water for at least 10 to 15 minutes. Seek medical assistance if symptoms persist and supply this material safety data sheet.

Skin

Should **CHRYSO® Dem WP** 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

Flash point (method used): 200°C

Suitable extinguishing media: foam, halon (may not be permissible in some countries), carbon dioxide, sand and misting water spray (fog)

Unsuitable extinguishing media: water and foam – it may splash the burning oil and spread the fire.

Special fire fighting procedures: Use water spray to cool the drums/containers that have been exposed to fire. Fire fighting personnel should be equipped with autonomous insulating breathing apparatus and a chemical protection suit.

Hazards: Thick black smoke. Can form an explosive mixture with air. Beware of re-ignition. Toxic gases (carbon monoxide, aldehydes, ketones, combustion products of nitrogen and sulphur and carbon dioxide) may be emitted on thermal decomposition. There may be spontaneous combustion of oil soaked rags or spill absorbents (dry oil, polypropylene socks, sand) if they are stored near combustibles and are not handled according to section 7 (handling and storage).

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

Safety precautions

Ventilate the area. Be careful, the greasy nature of oil will result in a slippery surface. Remove all sources of ignition. Consult safety measures under section 7 and section 8 of this data sheet (handling and storage, exposure control/personal safety). Equip the cleanup crew with proper protection.

Environmental safety precautions

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

Cleaning methods

Clean up spills as soon as possible and use disposable containers.

Contain and control the leaks or spills with non-combustible oil absorbent materials. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Clean preferably with a detergent or safety solvent to remove the remaining oil film.

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7. Handling and storage

The regulations that apply to the storage premises of **CHRYSO® Dem WP** must apply to site where the product is handled.

CHRYSO® Dem WP 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® Dem WP must be stored in a tightly closed container in a dry, well ventilated area with a temperature between 10°C and 40°C.

Keep away from oxidising agents, excessive heat and ignition sources. **CHRYSO® Dem WP** is not compatible with sulphuric acid, nitric acid, aliphatic amines and amidos. Do not store or use the product near a spark or flame. Store the product away from oil soaked rags or spill absorbents. If rags are soaked in **CHRYSO® Dem WP**, they should be washed with soap and water and be allowed to dry in well ventilated areas.

Do not store the container in direct sunlight. Do not puncture, drag or slide the container. The drum is not a pressure vessel, do not use pressure to empty the drum. Water contamination should be avoided.

Prevent access of any unauthorised personnel onto the premises.

8. Exposure control/personal safety



The ACGIH TLV for mineral mists is 5 mg/m for a daily 8 hour exposure.

Respiratory protection

Where exposure through inhalation may exceed TLV limits, approved respiratory protection is recommended of class FFP2. Provide adequate ventilation in order to minimise vapour concentrations.

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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. Supply eye washes in workshops where **CHRYSO® Dem WP** is constantly handled.

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

9. Physical and chemical properties

- Physical state (@25°C): waxy liquid
- Colour: cream
- Odour: Slight
- Specific gravity (@25°C): 0.9 - 1
- Flash point: 200°C
- Boiling point: Thermal cracking occurs below boiling point
- Congealing point: 96°C - 100°C
- Thermal decomposition: 250°C
- Not water miscible

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. Hazardous polymerization will not occur.

On exposure to high temperatures (above 140°C), **CHRYSO® Dem WP** may decompose, releasing toxic gases like carbon monoxide, aldehydes, keystone, combustion products of nitrogen and sulphur and carbon dioxide.

Hazardous decomposition products: Flue gas, carbon monoxide, aldehydes.

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11. Toxicological information

Not applicable.

12. Ecological information

No specific eco toxicity data is available on this product. There may be environmental risks common to oil spills.

13. Disposal considerations

Waste management of this product and/or container must be determined in accordance with Directive 2008/98/EC. Do not pour onto soil or into drains or waterways. Dispose this product and its container 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

Exempt from transport classification and labelling.

15. Regulatory information

Not applicable

16. Other information

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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® Dem WP 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.