



## ErgoTech

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# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product Name:** **ErgoSeal** range of hot dip strippable plastic coatings. It is an off-white wax blend of petroleum derived hydrocarbon waxes, and polymers.

**Code:** **\*NEW\* ErgoSeal 3**

**Chemical Family:** Saturated, unsaturated and aromatic polymeric hydrocarbons

## 2. APPLICATION

It is a semi - translucent, off white coloured hot-dip applied reservoir core enveloping / encasing barrier coating of approx. 3 mm thick. It imparts mechanical protection all over the essential vapour barrier No.1 film (Saran, polyethylene etc) and No.2 premium thickness (30 micron) aluminium foil wrapped core.

For successful long-term fluid preservation use a pliable but bare solid suspension wire during the dipping process. Plastic monofilament may perish and fibrous twine may act as a capillary wick to enhance fluid losses during the storage period.

It is removed from the core by hand stripping after making a cut in the tough solid coating. Cleanly removed uncontaminated **\*NEW\* ErgoSeal 3** is reusable by melting first in a separate heating bath and examined for quality before adding to newly melted stock.

## 3. PHYSICAL & CHEMICAL PROPERTIES

Supply:	In approx.0.4kg blocks
Appearance @20°C:	Semi - Translucent off white solid
Appearance @120°C:	Translucent viscous liquid
Melting Range:	140°C - 150°C
Flash Point:	>250°C
Non-flammable	
Combustible	
Non-toxic	
Non-hazardous	

## 4. COMPOSITION/INFORMATION ON INGREDIENTS

List of dangerous ingredients: None. This product contains no dangerous ingredients.

## 5. HAZARDS IDENTIFICATION

Inhalation: Mist or fumes may cause irritation or coughing.

Eyes: Harmless when cold, heated wax may cause burns.

Skin: Harmless to most skin when cold, although some people can be sensitised on prolonged or repeated contact, causing irritation.

Ingestion: Harmless if swallowed in small doses, but larger amounts may cause nausea and diarrhoea. Low order of toxicity.

## 6. FIRST AID MEASURES

- Inhalation:** Remove to fresh air. Obtain medical attention if symptoms persist.
- Eye contact:** Cold wax - Wash eyes thoroughly with water.  
Heated wax – Rinse with cool water to dissipate heat, do not try to remove wax. Obtain prompt medical attention.
- Ingestion:** Non-toxic. Material is not expected to be absorbed from gastro-intestinal tract so DO **NOT** INDUCE VOMITING. Give 250mls of milk or water and obtain medical advice.
- Skin contact:** Cold wax – Wash with soap, hand cleaner and water.  
Hot wax – Flush skin with cold water to cool as quickly as possible. Cover with clean cotton or gauze. Do not attempt to remove wax from a burn as this can result in tissue loss. Obtain prompt medical attention.

## 7. FIRE FIGHTING MEASURES

Flammable Limits: Requires exposure to high temperature and naked flame.

Extinguishing Media: Dry Chemical, CO<sub>2</sub>, Foam

Special Fire Fighting Procedures: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Fire and Explosion Hazards: Slight when exposure to heat and flames.

## 8. ACCIDENTAL RELEASE

In case of spill: If molten, allow to solidify, scrape up and dispose of as solid combustible material. Do not wash solid or molten wax into the drains.

## 9. HANDLING & STORAGE

Storage: Store away from boilers and hot pipes.

Handling: No special precautions other than protection from splashing or contact with molten material.

## 10. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits: A threshold value of 1mg/m<sup>3</sup> is recommended for wax fumes.

Eye Protection: Safety glasses, chemical goggles (if splashing possible).

Skin Protection: Heated wax should be handled with caution and suitable protective clothing worn.

Respiratory Protection: Adequate ventilation

Ventilation: Normal ventilation

## 11. STABILITY & REACTIVITY

Hazardous reactions	None known
Hazardous polymerisations	Will not occur
Incompatibility	None
Hazardous decomposition products	None known when handled and used according to instructions

## **12. TOXICOLOGICAL INFORMATION**

There is no data available on the product itself  
LD-50 (rat) is greater than 6400mg/kg by analogy with findings on products with similar composition

## **13. ECOLOGICAL INFORMATION**

This material has not been tested for environmental effects. It is a high molecular weight product with very low water solubility. As such it is expected to have a low biochemical oxygen demand and to cause no oxygen depletion in aquatic systems. It is expected to have a low potential to affect aquatic organisms, secondary waste treatment micro-organisms and the germination and early growth of plants. It is expected to be non-biodegradable and unlikely to bio-concentrate.

## **14. DISPOSAL RECOMMENDATIONS**

Treat as solid combustible materials and dispose in accordance with local regulations

## **15. TRANSPORT INFORMATION**

Not classified as hazardous under transport regulations. No special transport precautions required.

## **16. REGULATORY INFORMATION**

Labelling according to EEC Directives this product does not require classification or labelling

## **17. Further Advice**

Health and safety publications are available from H.M Stationary Office or from local offices of the factory inspectorate.

SHW367 Dermatitis (Cautionary Notice)  
SHW 397 Effects of Mineral Oil on the Skin  
MS/B/5 Skin Cancer Caused by Oil  
MS/B/4 Skin Cancer Caused by Pitch and Tar  
MS/B/6 Occupational (Industrial) Dermatitis

## **18. OTHER INFORMATION**

The information contained in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. It is for users to satisfy themselves of the suitability of this product for their own application. This information is believed to be accurate at the time of printing and is given in good faith.