

MATERIAL SAFETY DATA SHEET IN ACCORDANCE WITH 91/155/EEC



Polishing compound UNIPOL® Hyfin

Date of Issue: 15.12.2005

Revised: 24.08.2005

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY

Trade name:	UNIPOL® Hyfin
Company identification:	LIPPERT-UNIPOL GMBH Rudolf-Harbig-Weg 10 42781 Haan/Germany
Emergency phone:	Tel.: +49 (0) 2129-9307-0 Fax: +49 (0) 2129-9307-23

2. COMPOSITION/INFORMATION OF INGREDIENTS:

The composition is a mixture of fatty acids, wax, polishing minerals.

3. HAZARDS IDENTIFICATION:

Slight irritation skin due to mechanical abrasiveness possible if permanent in contact.

4. FIRST AID MEASURES:

Eye Contact:	Wash with plenty of water or eyewash solution and seek medical advice.
Skin Contact:	Wash with soap and water.
Inhalation:	Remove from dusty atmosphere, go into fresh air, normally no further treatment required.
Ingestion:	Material is not toxic. However do not vomit. Seek medical advice if large quantities are involved.

5. FIRE-FIGHTING MEASURES:

Extinguishing media:	Foam, carbon dioxide, water mist, dry powder - no restriction. In the event of fire the following can be released: CO, CO ₂ , NO _x . Use adequate aspiration devices. Do not allow contaminated water into drains / groundwater.
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6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Ensure adequate exhaust ventilation. Slippery on floor when spilled.
Environmental precautions:	Do not discharge into drains/ surface waters/ groundwater.
Methodes for cleaning up/taking up:	Take up mechanically, send in suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Local exhaust ventilation is strongly recommended when used for normal polishing operation. a dust mask may be adequate for smaller quantities and/or intermittent use. Also refer to 8. Exposure Controls / Personal Protection.

Store in a cool dry place (0° < t < 40°C) away from foodstuffs. Should be consumed within one year after day of production.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Exposure limits/	Refer to „7. Handling and Storage“ and „15. Regulatory information“. If dust levels are
Respiratory protection:	likely to exceed the OES, a dust mask should be worn complying with BS EN 149 „Specification for filtering half masks to protect against particulates“.
Eye protection:	Goggles should be worn if necessary. Avoid contact with eyes.
Personal protective equipment:	Overalls and gloves may help to prevent workers becoming excessively dirty.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	solid	Colour:	white
Odour:	like a candle	Vapour Pressure	n.a.
Melting Point:	60°C	pH-value:	n.a.
Boiling Point:	n.a.	Flammability:	approx. 150 °C
Explosive Properties:	none	Oxidising Properties:	none
Relative Density:	approx. 1,7 g/cm³ at 20°C	Solubility in water:	insoluble

10. STABILITY AND REACTIVITY

Stable under normal conditions. Hazardous decomposition products: CO, CO₂, NO_x. Contact with acids to be avoided.

11. TOXICOLOGICAL INFORMATION

Generally regarded as a non-toxic substance based on experience of long term exposure.

Cronical toxicology:	Not known.
Oral toxicology:	Depending on the quantity sickness or diarrhoe can occur when ingested.
Inhalation:	The inhalation of steam can be harmful due to thermo decomposition.
Primary irritation:	Skin: Not listed as irritational product although permanent contact should be avoided. Eyes: In case of eye contact after first aid measures red eyes or burning eyes can occur.
Sensitization:	The product is not classified as sensitising.

12. ECOLOGICAL INFORMATION

The product is biodegradable and insoluble in water. Nevertheless do not allow to enter soil, waterways or waste water.

Classification in german regulations: WGK 1 (self indication according to VCI)

13. DISPOSAL CONSIDERATIONS

In accordance with national and local regulations special waste must be taken to an authorised waste incineration plant.

Disposal code according to EAK / EWC: 120115. All packing material must be fully discharged and can be recycled after cleaning.

Spoiled packing must be disposed like the product itself.

14. TRANSPORT INFORMATION

ADR / UN No.: The product does not constitute a hazardous substance in national/international road, rail, sea and air transport.

IMDG / IATA: Not classified as dangerous goods.

15. REGULATORY INFORMATION:

The product does not require a hazard warning label in accordance with the EC directives/German regulations on dangerous substances.

The product is not listed in german VbF (as burning liquid).

16. OTHER INFORMATIONS:

S-sentences (accord. to german regulation):	S 25 / 25 Avoid eye and skin contact. S 36 / 37 Use proper gloves during operation and handling.
R-sentences (accord. to german regulation):	R 66 Permanent contact can cause skin irritation

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid relationship. This material safety data sheet is valid until further information from the supplier.

SAFETY DATA SHEET

3 PAGES

1. **Identification of the substance/preparation and company**

* **HYFIN** *

Lippert-Unipol (UK) Ltd
Argyle Works
Great Barr Street
Bordesley
Birmingham B9 4BB
Tel.: 0121 22 44 599

2. **Composition/information on ingredients**

Bar Composition containing animal fats and aluminium oxide abrasives.

3. **Hazards identification**

This product is not classified as dangerous for supply under regulation of 5 of the chemicals (Hazard Information and Packaging) Regulations 1993 (CHIP)

4. **First Aid Measures**

Eye Contact -	Wash with water or eyewash solution
Skin Contact -	Wash with soap and water
Inhalation -	Remove from dusty atmosphere, no treatment normally required
Ingestion -	Material is not toxic. Seek medical advice if large quantities are involved

5. **Fire-Fighting Measures**

Extinguishing media – no restriction

6. **Accidental release measure**

Not applicable.
Refer to 13. Disposal considerations

7. **Handling and Storage**

Local exhaust ventilation is strongly recommended when used for the normal polishing operation. A dust mask may be adequate for smaller quantities and/or intermittent use.

Refer to the following HSE publications for further information:

HS (G0 37 "Introduction to local exhaust ventilation"

EH44 "Dust: general principles of protection"

Store in a cool dry place away from foodstuffs.

8. **Exposure controls/personal protection**

Refer to '7. Handling and storage, and '15. Regulatory information.

If dust levels are likely to exceed the OES, a dust mask should be worn complying with BS EN 149 "Specification for filtering half masks to protect against particles".

Goggles should be worn if necessary.

Overalls and gloves may help to prevent workers becoming excessively dirty.

9. **Physical and chemical properties**

Form:	Solid	Colour:	White
Odour:	None	Relative Density:	N/A
Melting Point:	Approx. 60°C	pH (5% aqueous dispersion):	N/A
Flash Point:	N/A	Solubility in water:	Insoluble
Flammability:	Non-flammable		
Explosive properties:	None		
Oxidising properties:	None		
Vapour pressure:	N/A		

10. **Stability and reactivity**

Stable under normal conditions

No hazardous decomposition products observed

No hazardous reactions observed

11. **Toxicological information**

Generally regarded as a non-toxic substance based on experience of long term exposure.

12. **Ecological Effects**

None.

13. **Disposal considerations**

The material and its packaging may be disposed of in accordance with local and national regulations. In some cases large quantities may be returned to the manufacturer.

14. **Transport information**

No special requirements for transportation by sea, road, rail or air.

15. **Regulatory information**

This product is not classified as dangerous for supply under regulation of 5 of the Chemicals (Hazard Information and Packaging) Regulations 1993 (CHIP).

The following Occupational Exposure Standards (OES) apply. Refer to HSE publication EH40 Occupational exposure limits (revised annually) and the Control of Substances Hazardous to Health Regulations 1988 for further information.

OES – 8 hour TWA (mg m⁻³)

Substance

Respirable Dust

Alumina

10 mg m⁻³

16. **Other information:**

If the material is redistributed or reformulated for sale, details of its hazards and recommended methods for safe handling should be passed to all sites and/or customers.

Our safety information is based on the knowledge currently available to us. It is intended to describe the product in respect of safety requirements only and customers are urged to ensure that the product is entirely suitable for their own further advice on safety and technical matters can be given on request.

Kelly Hakesley

From: "Kay Hanselmann" <kay.hanselmann@lippert-unipol.de>
To: "Kelly Hakesley" <kelly.hakesley@lippert-unipol.co.uk>
Sent: 22 September 2006 09:20
Subject: AW: Data Sheet Info.

Albo is not bovine free

Hyfin is not bovine free

Carbrax Medium Greasy is bovine free

BR KAY

-----Ursprüngliche Nachricht-----

Von: Kelly Hakesley [mailto:kelly.hakesley@lippert-unipol.co.uk]

Gesendet: Montag, 18. September 2006 15:25

An: Kay Hanselmann

Betreff: Data Sheet Info.

Good after Kay.

Can you please specify in a response to this email whether the following compositions are bovine free so that I can forward it on to a customer?

Albo Bobbing Grease

Hyfin Compound

Carbrax Medium Greasy

Thanking you in advance.

Regards,
Kelly