

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux yellow

Date of Issue: 22.02.2012

Revised: 22.02.2012

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

Trade name:	Unipol® Dialux yellow	
General chemical description	mixture fatty acids, paraffines, tallow, abrasive polishing minerals	
Usage	polishing compound for metal surfaces	
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
	Contact	sigrid.schirpenbach@lippert-unipol.de

2. Hazards identification

Special hazards for man and environment according to 67/548/EC as amendet

Symbols of danger

Not subject to the regulation

R-phrases none S-phrases none

3. Composition/ information on ingredients:

Generally chemical description mixture fatty acids, tallow, paraffines, abrasive polishing minerals

4. FIRST AID MEASURES:

Eye Contact:	Wash with plenty of water or eyewash solution and seek medical advice.
Skin Contac:	Wash with soap and water. Seek medical advice when red irritation of skin visible.
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.
Environmetal hazards:	In the event of fire the following can be released: CO, CO ₂ , NO _x .
Particular hazards:	Use adequate aspiration devices. Do not allow contaminated water into drains / groundwater.
Personal Protection:	Wear suitable protective cloths, eye protection and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Ensure adequate exhaust ventilation.
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 (5° < t < 40°C) away from foodstuffs. Should be consumed within 6 months 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 partickes“.
Eye protection:	Goggles should be worn if necessary. Avoid contact with eyes.

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Personal protective equipment: Overalls and gloves may help to prevent workers becoming excessively dirty.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	solid	Colour:	orange
Odour:	characteristic	Vapour Pressure	n.a.
Melting Point:	n.a.	pH-value:	n.a.
Boiling Point:	~ 110°C	Flammability:	n.a.
Explosive Properties:	none	Oxidising Properties:	none
Relative Density:	approx. 1,6 g/cm³ at 20°C	Solubility in water:	soluble

10. STABILITY AND REACTIVITY

Stable under normal conditions. Hazardous decomposition products: CO, CO₂, Nox. 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 INFORMATIONES:

S-sentences (accord. to german regulation): S 2 keep away from children

R-sentences (accord. to german regulation): R 66 May cause rough or chapped skin during permanent contact.

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.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux white

Date of Issue: 22.02.2012

Revised: 03.11.2009

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

Trade name:	Unipol® Dialux white	
General chemical description	mixture fatty acids, paraffines, abrasive polishing minerals	
Usage	polishing compound for metal surfaces	
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
	Contact	sigrid.schirpenbach@lippert-unipol.de

2. Hazards identification

Special hazards for man and environment according to 67/548/EC as amendet

Symbols of danger

Not subject to the regulation

R-phrases none S-phrases none

3. Composition/ information on ingredients:

Generally chemical description mixture fatty acids, paraffines, abrasive polishing minerals

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. Seek medical advice when red irritation of skin visible.
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.
Environmental hazards:	In the event of fire the following can be released: CO, CO ₂ , NO _x .
Particular hazards:	Use adequate aspiration devices. Do not allow contaminated water into drains / groundwater.
Personal Protection:	Wear suitable protective cloths, eye protection and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Ensure adequate exhaust ventilation.
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 (5° < t < 40°C) away from foodstuffs. Should be consumed within 6 months 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 partickes“.
Eye protection:	Goggles should be worn if necessary. Avoid contact with eyes.

MATERIAL SAFETY DATA SHEET

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Solid Compound Unipol® Dialux white

Date of Issue: 22.02.2012

Revised: 03.11.2009

Personal protective equipment: Overalls and gloves may help to prevent workers becoming excessively dirty.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	solid	Colour:	white
Odour:	characteristic	Vapour Pressure	n.a.
Melting Point:	n.a.	pH-value:	n.a.
Boiling Point:	~ 110°C	Flammability:	n.a.
Explosive Properties:	none	Oxidising Properties:	none
Relative Density:	approx. 1,6 g/cm ³ at 20°C	Solubility in water:	soluble

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 diarrhoea 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 2 keep away from children

R-sentences (accord. to german regulation): R 66 May cause rough or chapped skin during permanent contact.

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.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux green

Date of Issue: 22.02.2012

Revised: 03.11.2009

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

Trade name: **Unipol® Dialux green**
General chemical description: mixture of fatty acids, paraffines, abrasive polishing minerals, chromoxide
Usage: polishing compound for metal surfaces
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
Contact: sigrid.schirpenbach@lippert-unipol.de

2. Hazards identification

Special hazards for man and environment according to 67/548/EC as amendet

Symbols of danger

Not subject to the regulation

R-phrases none S-phrases none

3. Composition/ information on ingredients:

Generally chemical description: mixture of fatty acids, paraffines, abrasive polishing minerals, chromoxide

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. Seek medical advice when red irritation of skin visible.
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.
Environmental hazards: In the event of fire the following can be released: CO, CO₂, NO_x.
Particular hazards: Use adequate aspiration devices. Do not allow contaminated water into drains / groundwater.
Personal Protection: Wear suitable protective cloths, eye protection and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Ensure adequate exhaust ventilation.
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 (5° < t < 40°C) away from foodstuffs. Should be consumed within 6 months 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 partickes“.
Eye protection: Goggles should be worn if necessary. Avoid contact with eyes.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux green

Date of Issue: 22.02.2012

Revised: 03.11.2009

Personal protective equipment: Overalls and gloves may help to prevent workers becoming excessively dirty.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	solid	Colour:	green
Odour:	characteristic	Vapour Pressure	n.a.
Melting Point:	n.a.	pH-value:	n.a.
Boiling Point:	~ 110°C	Flammability:	n.a.
Explosive Properties:	none	Oxidising Properties:	none
Relative Density:	approx. 1,6 g/cm³ at 20°C	Solubility in water:	soluble

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 2 keep away from children

R-sentences (accord. to german regulation): R 66 May cause rough or chapped skin during permanent contact.

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.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Date of Issue: 22.02.2012

Revised: 03.11.2009

Solid Compound Unipol® Dialux red

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

Trade name:	Unipol® Dialux red	
General chemical description	mixture of fatty acids, paraffines, abrasive polishing minerals, ironoxide	
Usage	polishing compound for metal surfaces	
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
	Contact	sigrid.schirpenbach@lippert-unipol.de

2. Hazards identification

Special hazards for man and environment according to 67/548/EC as amendet

Symbols of danger

Not subject to the regulation

R-phrases none S-phrases none

3. Composition/ information on ingredients:

Generally chemical description mixture of fatty acids, paraffines, abrasive polishing minerals, ironoxide

4. FIRST AID MEASURES:

Eye Contact:	Wash with plenty of water or eyewash solution and seek medical advice.
Skin Contac:	Wash with soap and water. Seek medical advice when red irritation of skin visible.
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.
Environmetal hazards:	In the event of fire the following can be released: CO, CO ₂ , NO _x .
Particular hazards:	Use adequate aspiration devices. Do not allow contaminated water into drains / groundwater.
Personal Protection:	Wear suitable protective cloths, eye protection and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Ensure adequate exhaust ventilation.
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 (5° < t < 40°C) away from foodstuffs. Should be consumed within 6 months 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 partickes“.
Eye protection:	Goggles should be worn if necessary. Avoid contact with eyes.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux red

Date of Issue: 22.02.2012

Revised: 03.11.2009

Personal protective equipment: Overalls and gloves may help to prevent workers becoming excessively dirty.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	solid	Colour:	red
Odour:	characteristic	Vapour Pressure	n.a.
Melting Point:	n.a.	pH-value:	n.a.
Boiling Point:	~ 110°C	Flammability:	n.a.
Explosive Properties:	none	Oxidising Properties:	none
Relative Density:	approx. 1,6 g/cm ³ at 20°C	Solubility in water:	soluble

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 INFORMATIONES:

S-sentences (accord. to german regulation): S 2 keep away from children

R-sentences (accord. to german regulation): R 66 May cause rough or chapped skin during permanent contact.

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.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux blue

Date of Issue: 22.02.2012

Revised: 03.11.2009

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

Trade name: **Unipol® Dialux blue**

General chemical description: mixture of fatty acids, paraffines, abrasive polishing minerals, colour

Usage: polishing compound for metal surfaces

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
Contact: sigrid.schirpenbach@lippert-unipol.de

2. Hazards identification

Special hazards for man and environment according to 67/548/EC as amendet

Symbols of danger

Not subject to the regulation

R-phrases none S-phrases none

3. Composition/ information on ingredients:

Generally chemical description: mixture of fatty acids, paraffines, abrasive polishing minerals, colour

The composition does not contain silica

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. Seek medical advice when red irritation of skin visible.

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.

Environmental hazards: In the event of fire the following can be released: CO, CO₂, NO_x.

Particular hazards: Use adequate aspiration devices. Do not allow contaminated water into drains / groundwater.

Personal Protection: Wear suitable protective cloths, eye protection and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Ensure adequate exhaust ventilation.

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 (5° < t < 40°C) away from foodstuffs. Should be consumed within 6 months 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 likely to exceed the OES, a dust mask should be worn complying with BS EN 149

Respiratory protection: „Specification for filtering half masks to protect against partickes“.

MATERIAL SAFETY DATA SHEET
According to (EC) No 1907/2006

Date of Issue: 22.02.2012

Revised: 03.11.2009

Solid Compound Unipol® Dialux blue

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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	solid	Colour:	blue
Odour:	characteristic	Vapour Pressure	n.a.
Melting Point:	n.a.	pH-value:	n.a.
Boiling Point:	~ 110°C	Flammability:	n.a.
Explosive Properties:	none	Oxidising Properties:	none
Relative Density:	approx. 1,6 g/cm ³ 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 diarrhoea 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 2 keep away from children
R-sentences (accord. to german regulation): R 66 May cause rough or chapped skin during permanent contact.
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.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux grey

Date of Issue: 22.02.2012

Revised: 22.02.2012

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

Trade name:	Unipol® Dialux grey	
General chemical description	mixture fatty acids, paraffines, tallow, abrasive polishing minerals	
Usage	polishing compound for metal surfaces	
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
	Contact	sigrid.schirpenbach@lippert-unipol.de

2. Hazards identification

Special hazards for man and environment according to 67/548/EC as amendet

Symbols of danger

Not subject to the regulation

R-phrases	none	S-phrases	none
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3. Composition/ information on ingredients:

Generally chemical description mixture fatty acids, tallow, paraffines, abrasive polishing minerals

4. FIRST AID MEASURES:

Eye Contact:	Wash with plenty of water or eyewash solution and seek medical advice.
Skin Contac:	Wash with soap and water. Seek medical advice when red irritation of skin visible.
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.
Environmetal hazards:	In the event of fire the following can be released: CO, CO ₂ , NO _x .
Particular hazards:	Use adequate aspiration devices. Do not allow contaminated water into drains / groundwater.
Personal Protection:	Wear suitable protective cloths, eye protection and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Ensure adequate exhaust ventilation.
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 (5° < t < 40°C) away from foodstuffs. Should be consumed within 6 months 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 partickes“.
Eye protection:	Goggles should be worn if necessary. Avoid contact with eyes.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006

Date of Issue: 22.02.2012

Revised: 22.02.2012

Solid Compound Unipol® Dialux grey

Personal protective equipment: Overalls and gloves may help to prevent workers becoming excessively dirty.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	solid	Colour:	grey
Odour:	characteristic	Vapour Pressure	n.a.
Melting Point:	n.a.	pH-value:	n.a.
Boiling Point:	~ 110°C	Flammability:	n.a.
Explosive Properties:	none	Oxidising Properties:	none
Relative Density:	approx. 1,6 g/cm³ at 20°C	Solubility in water:	soluble

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 2 keep away from children

R-sentences (accord. to german regulation): R 66 May cause rough or chapped skin during permanent contact.

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.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux noire

Date of Issue: 22.02.2012

Revised: 21.01.2010

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

Trade name:	Unipol® Dialux noire	
General chemical description	mixture fatty acids, paraffines, abrasive polishing minerals, color	
Usage	polishing compound for metal surfaces	
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
	Contact	sigrid.schirpenbach@lippert-unipol.de

2. Hazards identification

Special hazards for man and environment according to 67/548/EC as amendet

Symbols of danger

Not subject to the regulation

R-phrases none S-phrases none

3. Composition/ information on ingredients:

Generally chemical description mixture fatty acids, paraffines, abrasive polishing minerals, color

4. FIRST AID MEASURES:

Eye Contact:	Wash with plenty of water or eyewash solution and seek medical advice.
Skin Contac:	Wash with soap and water. Seek medical advice when red irritation of skin visible.
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.
Environmetal hazards:	In the event of fire the following can be released: CO, CO ₂ , NO _x .
Particular hazards:	Use adequate aspiration devices. Do not allow contaminated water into drains / groundwater.
Personal Protection:	Wear suitable protective cloths, eye protection and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Ensure adequate exhaust ventilation.
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 (5° < t < 40°C) away from foodstuffs. Should be consumed within 6 months 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 partickes“.
Eye protection:	Goggles should be worn if necessary. Avoid contact with eyes.

MATERIAL SAFETY DATA SHEET

According to (EC) No 1907/2006



Solid Compound Unipol® Dialux noire

Date of Issue: 22.02.2012

Revised: 21.01.2010

Personal protective equipment: Overalls and gloves may help to prevent workers becoming excessively dirty.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	solid	Colour:	black
Odour:	characteristic	Vapour Pressure	n.a.
Melting Point:	n.a.	pH-value:	n.a.
Boiling Point:	~ 110°C	Flammability:	n.a.
Explosive Properties:	none	Oxidising Properties:	none
Relative Density:	approx. 1,6 g/cm ³ at 20°C	Solubility in water:	soluble

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 diarrhoea 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.

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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 INFORMATIONES:

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R-sentences (accord. to german regulation): R 66 May cause rough or chapped skin during permanent contact.

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