

# Safety Data Sheet 91/155/EEC (gb)

**UNIPOL® Metal-Polish**  
Lippert-Unipol GmbH D-42781 Haan



Revised: 18.07.2002

Date printed: 27.09.2002

## 01. Identification of the substance / preparation and of the company

**Product:** UNIPOL® Metal-Polish

**Use:** Polishing agent

**Company:** Lippert-Unipol GmbH

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## 02. Composition / Information on ingredients

Substance	EINECS	CAS	Range [%]	Symbol / R-phr.
Aluminium oxide	215-691-6	1344-28-1	20-<40	
Ammonia solution	215-647-6	1336-21-6	0,1-<5	C& N 34-50
Destillates (petroleum), hydrotreated light	265-149-8	64742-47-8	20-<40	Xn 65-66
Naphtha (petroleum), hydrotreated light	265-151-9	64742-49-0	2,5-<10	Xn& F& N 11-38-65-67-51/53

## 03. Hazards identification

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

## 04. First aid measures

### General information

Change soaked clothing.

### Inhalation

Ensure supply of fresh air. In the event of symptoms refer for medical treatment.

### Skin contact

When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

### Eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

### Ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Refer for medical treatment.

### Advice to doctor

Treat symptomatically.

## 05. Fire-fighting measures

### Suitable extinguishing media

Water spray jet. Dry powder. Carbon dioxide. Foam.

### Extinguishing media that must not be used

None.

### Special exposure hazards arising from the substance or preparation itself or combustion products

Risk of formation of toxic pyrolysis products .

### Special protective equipment for firefighters

Use self-contained breathing apparatus.

### Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 06. Accidental release measures

### Personal precautions

High risk of slipping due to leakage/spillage of product. Ensure adequate ventilation . Keep away sources of ignition.

### Environmental precautions

Do not discharge into the drains/ surface waters/ groundwater.

### Methods for cleaning up/taking up

Take up mechanically. Dispose of absorbed material in accordance with the regulations.

## 07. Handling and storage

### Advice on safe handling

Use only in well-ventilated areas.

### Advice on protection against fire and explosion

No special measures necessary.

### Requirements for storage rooms and vessels

Provide solvent-resistant and impermeable floor. Keep only in original container.

### Advice on storage compatibility

Do not store together with oxidizing agents.

### Further information on storage conditions

Keep container tightly closed. Keep container in a well-ventilated place. Protect from heat/overheating.

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## 08. Exposure controls / personal protection

### Additional advice on system design

### Ingredients with occupational exposure limits to be monitored

Substance	CAS	Value:
Aluminium oxide	1344-28-1	MAK: 6 mg/m <sup>3</sup> A 2000
Ammonia solution	1336-21-6	MAK: 50 ppm Y 2000
Destillates (petroleum), hydrotreated light	64742-47-8	MAK: 100 ppm 2000
Naphtha (petroleum), hydrotreated light	64742-49-0	MAK: 200 ppm 2000

<b>Respiratory protection</b>	Normally not necessarily.
<b>Hand protection</b>	Protective gloves (DIN/EN 374)
<b>Eye protection</b>	Safety glasses.
<b>Skin protection</b>	Not applicable.

### General protective measures

Avoid contact with eyes and skin. Do not inhale vapours.

### Hygiene measures

Wash hands before breaks and after work. Use barrier skin cream.

### Limitation and controlling of the environment pollution

## 09. Physical and chemical properties

<b>Form:</b>	Pasty.
<b>Colour:</b>	Blue.
<b>Odour:</b>	Characteristic.
<b>pH-value:</b>	9-10
<b>Boiling point [°C]:</b>	-
<b>Flash point [°C]:</b>	>70
<b>Flammability:</b>	-
<b>Lower explosion limit:</b>	-
<b>Upper explosion limit:</b>	-
<b>Combustible properties:</b>	No
<b>Vapour pressure [hPa]:(20°C)</b>	-
<b>Density [g/ml]:</b>	1,17
<b>Solubility in water:</b>	Partially soluble.
<b>Partition coefficient: n-octanol / water:</b>	-
<b>Viscosity:</b>	>7mm <sup>2</sup> /s (40°C)
<b>Relative vapour density determined in air</b>	-
<b>Speed of evaporation:</b>	-
<b>Melting point [°C]:</b>	-
<b>Autoignition temperature:</b>	-

## 10. Stability and reactivity

### Hazardous reactions

Reactions with oxidizing agents.

### Hazardous decomposition products

No hazardous decomposition products known.

## 11. Toxicological information

**Acute oral toxicity** LD50 Rat : -

**Acute dermal toxicity** LD50 : -

**Acute inhalational toxicity** LC50 Rabbit : -

### Irritant effect on eye

### Sensitization / Validation

### Chronic toxicity / Validation

### Mutagenicity / validation

### Reproduction toxicity / Validation

### Carcinogenicity / Validation

### Experiences made in practice

None.

### General remarks

The product was classified on the basis of the calculation procedure of the preparation directive. No toxicological data are available.

## 12. Ecological information

### Biodegradable

### Fish toxicity

### Behaviour in sewage plant

### AOX-advice

No dangerous components.

### General information

Ecological data are not available.

### Contains compounds of 76/464/EC

Yes

## 13. Disposal considerations

### Disposal / Product

Dispose of as hazardous waste.

**Waste no.** 160305\*

### Disposal / Contaminated packaging

Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.

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## 14. Transport information

### 14.1 Classification according to ADR:

**ADR:** not classified as Dangerous Goods

#### Dangerous Goods Declaration:

#### Labelling

**Factor, ADR 1.1.3.6.3:**

**Hazard-no:** -

**Label:**

#### ADR-Conditions for limited quantities(LQ): -

**Dangerous Goods Declaration:** not classified as Dangerous Goods

#### Labelling

**Label:**

**Inner packing, max.:**

**Total gross mass of a package:**

### 14.2 Classification according to IMDG:

**IMDG-Code:** not classified as Dangerous Goods

#### Dangerous Goods Declaration:

#### Labelling

**Label:**

#### IMDG-Conditions for limited quantities(LQ):

**Dangerous Goods Declaration:** not classified as Dangerous Goods

#### Labelling

**Label:**

**Inner packing, max.:**

**Total gross mass of a package:**

### 14.3 Classification according to IATA:

**IATA-DGR:** not classified as Dangerous Goods

#### Dangerous Goods Declaration:

#### Labelling

**Label:**

## 15. Regulatory information

### Labelling

The product is labelled in accordance with EC directives

### Hazard symbols

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

S56: Dispose of this material and its container to hazardous or special waste collection point.

### Special labelling for certain preparations

Not applicable.

### National regulations

Not applicable.

## 16. Other informations

### R phrases (Substance)

R11: Highly flammable.

R34: Causes burns.

R38: Irritating to skin.

R50: Very toxic to aquatic organisms.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

### Regulatory information

\* 91/155 (2001/58)

\* 67/548 (2001/59)

\* 1999/45 (2001/60)

\* 91/689 (2001/118)

\* 89/542

\* ADR (23.07.01)

\* IMDG-Code (30.Amdt.)

\* IATA-DGR (2002)

\* Classification according to VbF

\* Water hazard class

### Modified position:

Not applicable.