

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 ³ 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

Respiratory protection	Normally not necessarily.
Hand protection	Protective gloves (DIN/EN 374)
Eye protection	Safety glasses.
Skin protection	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

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

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.