



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH)

Robla Solo Mil-Laufreiniger

Print date 30.01.2024

Revision date 30.01.2024

Version 5.2 (en)

replaces version of 05.04.2023 (5.1)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation Robla Solo Mil-Laufreiniger

Hazard components

Ammoniak Lösung 25%

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Muzzle cleaner

Remark

UFI: 212D-K1SD-J008-YGGR

1.3 Details of the supplier of the safety data sheet

Manufacturer

F.W.Klever

Hauptstraße 20

D-84168 Aham

Telephone +49 (0) 8744 96 99 10

Telefax + 49 (0) 8744 96 99 96

E-mail info@ballistol.de

Website www.ballistol.de

Department responsible for information:

Qualitätssicherung

Telephone +49 (0) 8744 96 99 80

E-mail (competent person):

info@ballistol.de

1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Met. Corr. 1, H290	
Skin Corr. 1B, H314	
Eye Dam. 1, H318	
STOT SE 3, H335	

Hazard statements for physical hazards

H290 May be corrosive to metals.

Hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.



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2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard components

Ammoniak Lösung 25%

Hazard pictograms



GHS05



GHS07

Signal word

Danger

Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P102 Keep out of reach of children.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing and eye protection/face protection.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P410 Protect from sunlight.

P501 Dispose of contents / container to recycling

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Hazardous ingredients

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
1336-21-6	215-647-6	007-001-01-2	Ammoniak Lösung 25%	< 10 weight-%	Skin Corr. 1B; H314 Aquatic Acute 1; H400	STOT SE 3; H335: C>=5%

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Remove casualty to fresh air and keep warm and at rest.

If intensive inhalation of fumes seek medical treatment immediately.



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Following skin contact

Wash immediately with:

Water

In case of skin irritation, consult a physician.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.

Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

After swallowing: Early endoscopy, to evaluate possibly occurred alternation of the mucous membrane in oesophagus and stomach. If necessary suction of remained substance.

SECTION 5: Firefighting measures

5.1 Extinguishing media

No data available

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

No data available

Additional information

Product is incombustible

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protection equipment.

Avoid contact with substance

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Flush away residues with water.

Take up mechanically and send for disposal.

For cleaning up

Dilute with plenty of water.



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6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

No special measures are necessary.

The product is not:

Combustible

No special fire protection measures are necessary.

Avoid:

Eye contact

Skin contact

Advices on general occupational hygiene

Thorough skin-cleansing after handling the product.

Apply skin care products after work.

When using do not eat, drink, smoke, sniff.

Remove contaminated, saturated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Keep container tightly closed.

Handle and open container with care.

Materials to avoid

Do not store together with:

Food and feedingstuffs

Further information on storage conditions

Recommended storage temperature: 20°C.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Personal protection equipment

Eye/face protection

With demand: protective glasses

Hand protection

Gloves (alkali-resistant)

The material of the gloves has to be impermeable and consistent for the substance. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.



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*** SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

orange

Odour

like:

Ammonia

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range			
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point			No flash point - measurement carried out until boiling temperature.
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	in delivery state approx. 9 (20°C)		
Viscosity	not determined		
Solubility(ies)	Water solubility		multimiscible
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	0.954 g/cm ³ (20°C) pressure 1013 hPa		
Density and/or relative density	Bulk density		not applicable
Relative vapour density	not determined		
particle characteristics	not determined		

*** 9.2 Other information**

*** Information with regard to physical hazard classes**

*** Corrosive to metals**

Safety characteristics

	Value	Method, Result	Source, Remark
			Category 1: corrosive to metals



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SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

Acid, concentrated

Oxidising agent, strong

10.4 Conditions to avoid

heating up

No hazardous reactions known.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No hazardous decomposition products known.

Additional information

Product is stable under normal storage conditions

*** SECTION 11: Toxicological information**

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

*** Acute toxicity**

*** Animal data**

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	1070 mg/kg Species Rat		Details refer to the solvent
Acute dermal toxicity	not determined		
Acute inhalation toxicity	1.4 mg/L Species Rat Exposure time 4 h		Result applies to conc. Ammonia solution.

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
strongly irritant. Species Rabbit		Information apply to conc. ammonia

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
strongly irritant. Species Rabbit		Information apply to conc. ammonia



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Sensitisation to the respiratory tract

not determined

Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.	Species Guinea pig		Information apply to conc. ammonia

Germ cell mutagenicity

not determined

Carcinogenicity

not determined

Reproductive toxicity

not determined

STOT-single exposure

not determined

STOT-repeated exposure

not determined

Aspiration hazard

not determined

11.2 Information on other hazards

Other information

No experimental indication of genotoxicity in vitro (Ames-test negative).

No experimental indication of genotoxicity in vivo (micronucleus test negative).

The product has not been tested. The information is derived from the properties of the individual components.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: 0.23- 0.33 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		Information are based on results of similar products
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 53.5 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		Based on actual testing result data or a comparable product
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		



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	Effective dose	Method, Evaluation	Source, Remark
Toxicity to microorganisms	not determined		

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

The breakdown properties of the product have not been tested. The information on these is given on the basis of details in the literature.

The behaviour of the product in sewage treatment plants has not been tested. The information on this is given on the basis of details in the literature.

The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature.

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

The product is an alkali. Before discharge into sewage plants the product normally needs to be neutralised.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
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060205 *	other bases
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Appropriate disposal / Product

Neutralize with hydrochloric acid or sulphuric acid.

Dilution with water.

Appropriate disposal / Package

Completely emptied packages can be recycled.

Recycle sales packaging via DSD (Duales System Deutschland).

Remark

Waste removal corresponding to official directives

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-



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	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

Land transport (ADR/RID)

Remark

Not classified for this transport carrier.

Sea transport (IMDG)

Remark

Not classified for this transport carrier.

Air transport (ICAO-TI / IATA-DGR)

Remark

Not classified for this transport carrier.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Indication of changes

* Data changed compared with the previous version

Additional information

National and local regulations concerning chemicals shall be observed.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Keep out of the reach of children.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.



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Relevant H- and EUH-phrases (Number and full text)

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

Indication of changes

* Data changed compared with the previous version