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

1.1 Product identifier

Noble stain protection solvent-free

1.2 Relevant identified uses of the substance or mixture and uses, of which is discouraged

Relevant identified uses

mixture, impregnation, aqueous solution

1.3 Supplier (manufacturer/importer/exclusive representative/downstream user/dealer)

Company name	edelundstein GmbH
Address	Einsteinstraße 12
Location and country	33104 Paderborn GERMANY
	Phone +49 5254 9330731
	fax +49 5254 9330733

E-mail of the competent person, who is responsible for the safety data sheet.	info@edel-und-stein.com
Poison control:	+49 (0) 30 19 240

1.4 Emergency number

For urgent information please contact us;

Technical information: Dr. Felix Ferlemann +49 (0) 170 / 7362924

Poison control: +49 (0) 30 19 240

SECTION 2: Potential hazards

2.1 Classification of the substance or mixture

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

None

Additional notes

The mixture is classified as dangerous according to Regulation (EC) No 1272/2008 [CLP].

Comment

Wording of H and EUH rates: see section 16.

2.2 Marking elements

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

Special provisions for supplementary labelling elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other risks

Possible harmful physico-chemical effects

In case of insufficient ventilation and/or due to use, formation of explosive/highly flammable mixtures possible. This material can be ignited by heat, sparks, flames or other ignition sources (e.g. static electricity, pilot lights, mechanical/electrical equipment and electronic devices such as mobile phones, computers and pagers that are not approved as intrinsically safe).

2.4 Additional notes

The substances in the mixture do not fulfil the PBT/vPvB criteria according to REACH, Annex XIII.

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SECTION 3: Composition/information on ingredients

3.1 Mixtures

Dangerous ingredients

ETHANDIOL ; REACH registration no. : 01-2119456816-28-xxxx ; EC no. 203-473-3; CAS No. : 107-21-1

Weight share : ≥ 5 - < 10 %

Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Acute Tox. 4 ; H302

2-PROPANOL ; REACH Registration No. : 01-2119457558-25-xxxx ; EC No. 200-661-7; CAS No. : 67-63-0

Weight share : ≥ 5 - < 10 %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

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Additional notes

All ingredients of this mixture have been (pre-)registered according to REACH regulation. < 0.1% benzene, Regulation (EC) No 1272/2008, Annex VI; J, P
Wording of H and EUH rates: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt or if symptoms are present, seek medical advice. Never give anything by mouth to an unconscious person or if cramps occur. In case of vomiting, observe the danger of aspiration.

After inhalation

Remove the affected person to fresh air and keep him/her warm and quiet. In case of breathing difficulties or respiratory arrest, initiate artificial respiration. If unconscious, place the patient in a stable lateral position and seek medical advice. In case of irritation of the respiratory tract, seek medical advice.

On skin contact

After contact with skin, wash immediately with plenty of soap and water. Change contaminated clothing immediately. Do not wash off with: Detergents, acidic detergents, alkaline Solvents/dilutions

After eye contact

In case of contact with the eyes, rinse immediately with running water for 10 to 15 minutes with the eyelid held wide open and seek medical advice. Protect the uninjured eye.

After swallowing

Call a doctor immediately. Immobilize. DO NOT induce vomiting. If swallowed, rinse mouth with plenty of water (only if the person is conscious) and seek medical attention immediately.

Self protection of the first aider

First aider: Pay attention to self protection!

4.2 Most important acute and delayed symptoms and effects

There is no information available.

4.3 Indications of emergency medical assistance or special treatment

There is no information available.

SECTION 5: Fire Fighting Measures

5.1 Extinguishin

Suitable extinguishing agents

Water alcohol resistant foam ABC powder Carbon dioxide (CO₂) Spray water

Unsuitable extinguishing media

Full water jet Sharp water jet

5.2 Specific hazards arising from the substance or mixture

Hazardous products of combustion

Carbon monoxide Carbon dioxide (CO₂) Hydrogen fluoride

5.3 Instructions for fire fighting

Use suitable breathing apparatus.

Special protective equipment for fire fighting

Wear self-contained breathing apparatus and chemical protection suit.

5.4 Additional notes

Use water spray jet to protect people and to cool containers in the danger area. Do not allow fire-fighting water to enter sewers and watercourses. Do not inhale explosion and fire gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and in emergencies procedures to be followed

Use personal protective equipment. Remove all ignition sources. Ensure adequate ventilation. Move people to safety. Pay particular attention to the spread of the gas on the ground (heavier than air) and in the direction of the wind.

6.2 Environmental protection measures

Do not allow to enter the subsoil/earth. Do not allow to enter drains or watercourses.

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6.3 Methods and material for retention and cleaning up

For cleaning

Suitable material for recording: Universal binder

6.4 Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protective equipment: see section 8

SECTION 7: Handling and Storage

7.1 Safety measures for safe handling

Do not eat, drink, smoke or take snuff at work.

Protective measures

Useless after freezing. Inhalation of vapours or mists/aerosols Skin contact Eye contact Wear personal protective equipment (see section 8). Always close the container tightly after removing the product.

Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas. If local exhaust ventilation is not possible or insufficient, the entire work area must be adequately technically ventilated.

Fire protection measures

Vapours are heavier than air, spread on the ground and form explosive mixtures with air. Keep away from sources of ignition - No smoking. The product is: Flammable

Fire class : -

7.2 Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed. Store only in the original container.

Information on storage in one place

Storage class (TRGS 510) : 10

Recommended storage temperature 5 - 25 °C

Further information on storage conditions

Keep under lock and key and out of the reach of children. Keep container tightly closed and store in a cool, well-ventilated place.

Protect against : Frost

7.3 Specific end uses

Recommendation

Observe technical data sheet. Follow the instructions for use.

SECTION 8: Exposure controls/Personal protective equipment

8.1 Parameters to be monitored

Occupational exposure

ETHANDIOL ; CAS No. : 107-21-1

Limit value type (country of origin) TRGS 900 (D)
Limit value : 10 ppm / 26 mg/m³
Peak limit : 2(I)
Comment : H,Y
version : 06.11.2015

Limit value type (country of origin) STEL (EC)
Limit value : 40 ppm / 104 mg/m³
Comment : H
version : 08.06.2000

Limit value type (country of origin) TWA (EC)
Limit value : 20 ppm / 52 mg/m³
Comment : H
version : 08.06.2000

2-PROPANOL ; CAS No. : 67-63-0

Limit value type (country of origin) TRGS 900 (D)
Limit value : 200 ppm / 500 mg/m³
Peak limit : 2(II)
Comment : Y
version : 06.11.2015

Limit value type (country of origin) TRGS 903 (D)

Safety data sheet
according to Regulation (EC) No 1272/2008

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Parameter : Acetone / whole blood (B) / end of exposure or shift
Limit value : 50 mg/l
version : 31.03.2004
Limit value type (country of TRGS 903 (D)
Parameter : acetone / urine (U) / end of exposure or end of shift
Limit value : 50 mg/l
version : 31.03.2004

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL Consumer (local) (ETHANDIOL ; CAS No. : 107-21-1)
Route of exposure : Inhalation
Frequency of exposure : Long term (repeated)
Limit value : 7 mg/m³
Limit value type : DNEL Consumer (systemic) (2-PROPANOL ; CAS No. : 67-63-0)
Route of exposure : Dermal
Frequency of exposure : Long term (repeated)
Limit value : 319 mg/kg/d
Limit value type : DNEL Consumer (systemic) (2-PROPANOL ; CAS No. : 67-63-0)
Route of exposure : Inhalation
Frequency of exposure : Long term (repeated)
Limit value : 89 mg/m³
Limit value type : DNEL Consumer (systemic) (ETHANDIOL ; CAS No. : 107-21-1)
Route of exposure : Dermal
Frequency of exposure : Long term (repeated)
Limit value : 53 mg/kg
Limit value type : DNEL Consumer (systemic) (2-PROPANOL ; CAS No. : 67-63-0)
Route of exposure : Oral
Frequency of exposure : Long term (repeated)
Limit value : 26 mg/kg/d
Limit value type : DNEL Employee (local) (ETHANDIOL ; CAS No. : 107-21-1)
Route of exposure : Inhalation
Frequency of exposure : Long term (repeated)
Limit value : 35 mg/m³
Limit value type : DNEL worker (systemic) (2-PROPANOL ; CAS-No. : 67-63-0)
Route of exposure : Dermal
Frequency of exposure : Long term (repeated)
Limit value : 888 mg/kg/d
Limit value type : DNEL worker (systemic) (2-PROPANOL ; CAS-No. : 67-63-0)
Route of exposure : Inhalation
Frequency of exposure : Long term (repeated)
Limit value : 500 mg/m³
Limit value type : DNEL worker (systemic) (ETHANDIOL ; CAS-No. : 107-21-1)
Route of exposure : Dermal
Frequency of exposure : Long term (repeated)
Limit value : 106 mg/kg

PNEC

Limit value type : PNEC Waters, fresh water (ETHANDIOL ; CAS No. : 107-21-1)
Limit value : 10 mg/l
Limit value type : PNEC Waters, fresh water (2-PROPANOL ; CAS-No. : 67-63-0)
Limit value : 140,9 mg/l
Limit value type : PNEC Water, periodic release (2-PROPANOL ; CAS No. : 67-63-0)
Limit value : 140,9 mg/l
Limit value type : PNEC Water, periodic release (ETHANDIOL ; CAS No. : 107-21-1)
Limit value : 10 mg/l
Limit value type : PNEC Waters, Seawater (ETHANDIOL ; CAS-No. : 107-21-1)
Limit value : 1 mg/l
Limit value type : PNEC Waters, Seawater (2-PROPANOL ; CAS-No. : 67-63-0)
Limit value : 140,9 mg/l
Limit value type : PNEC sediment, fresh water (2-PROPANOL ; CAS-No. : 67-63-0)
Limit value : 552 mg/kg
Limit value type : PNEC Sediment, fresh water (ETHANDIOL ; CAS No. : 107-21-1)
Limit value : 20,9 mg/kg
Limit value type : PNEC Sediment, seawater (2-PROPANOL ; CAS-No. : 67-63-0)

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Limit value :	552 mg/kg
Limit value type :	PNEC secondary poisoning (2-PROPANOL ; CAS-No. : 67-63-0)
Limit value :	160 mg/kg
Limit value type :	PNEC Wastewater treatment plant (STP) (2-PROPANOL ; CAS-
Limit value :	2251 mg/l
Limit value type :	PNEC Wastewater Treatment Plant (STP) (ETHANDIOL ; CAS
Limit value :	199,5 mg/l

8.2 Exposure controls and monitoring

Personal protective equipment

Eye/face protection

Suitable eye protection

Rack goggles with side protection Basket goggles

Required characteristics

DIN EN 166

Skin protection

Hand protection

Suitable glove type : gauntlet gloves

Suitable material : NBR (nitrile rubber), 0,4mm, >8h; butyl rubber, 0,5mm, >8h; FKM (fluororubber), 0,7mm, >8h;

Recommended glove brands : Manufacturer KCL GmbH/Eichenzell-Germany; Ansell/Yarra City-Australia or comparable brands of other companies.

Additional hand protection measures : Check for tightness / impermeability before use.

Note : Breakthrough times and source properties of the material must be taken into account. Chemical protective gloves should be selected specifically for the workplace, depending on the concentration and quantity of the hazardous substance. It is recommended that the chemical resistance of the above-mentioned protective gloves for special applications be clarified with the glove manufacturer.

Body protection

Protective clothing.

Suitable body protection : Chemical protective suit Chemical resistant safety shoes

Required characteristics : antistatic.

Recommended body protectors : DIN EN ISO 20345 DIN EN 13034 DIN EN 14605 DIN EN 14404

Note : Creams are not a substitute for body protection.

Respiratory protection

Normally no personal respiratory protection necessary. Respiratory protection is required in case of: insufficient ventilation aerosol or mist formation. high concentrations Spraying method

Suitable breathing apparatus

Combination filter unit (EN 14387) Half mask (DIN EN 140) ABEK-P1

Comment

Only use breathing apparatus with CE mark including four-digit test number. The wearing time limits according to GefStoffV in conjunction with the rules for the use of respiratory protective devices (BGR 190) must be observed.

General protection and hygiene measures

Minimum standards for protective measures when handling working materials are listed in TRGS 500. Do not eat, drink, smoke or take snuff at the workplace. Avoid contact with skin, eyes and clothing. Remove contaminated, soaked clothing immediately. Soiled clothing must be washed before reuse. Wash hands before breaks and at the end of work. Use skin care products after work.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical characteristics Appearance :

liquid

Color : light yellow

Smell : unspecific

Safety relevant basic data

freezing point :	(1013 hPa)	ap	-10 °C	
Initial boiling point and boiling	(1013 hPa)	ap	88 °C	
Decomposition temperature :	(1013 hPa)		undetermined	
Flash point :		ap	36 °C	closed cup
Ignition temperature :			undetermined	
Continued combustibility			No	UN Test L2:Sustained

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Lower explosion limit :					combustibility test
Upper explosion limit :					
Vapour pressure :	(50 °C)	<	3000	hPa	
Density :	(20 °C)	approx.	1	g/cm ³	Pycnometer
Solvent separation test :	(20 °C)	<	3	%	
Water solubility	(20 °C)		mixable		
pH value :		approx.	5		
log P O/W :			undetermined		
Run-down time :	(23 °C)	approx.	13	s	ISO cup 4 mm
Odour threshold :			undetermined		
Evaporation rate :			undetermined		
VOC-FR			A+		

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

There is no information available.

10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3 Possibility of dangerous reactions

No dangerous reactions occur when handled and stored as intended.

10.4 Conditions to avoid

No dangerous reactions occur when handled and stored as intended.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Does not decompose during its intended use.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	LD50 (2-PROPANOL ; CAS No. : 67-63-0)
Route of exposure :	Oral
species :	Rat
Active dose :	5840 mg/kg
Method :	OECD 401

Acute dermal toxicity

Parameter :	LD50 (ETHANDIOL ; CAS No. : 107-21-1)
Route of exposure :	Dermal
species :	Mouse
Active dose :	> 3500 mg/kg
Parameter :	LD50 (2-PROPANOL ; CAS No. : 67-63-0)
Route of exposure :	Dermal
species :	Rabbit
Active dose :	13900 mg/kg
Method :	OECD 402

Acute inhalation toxicity

Parameter :	LC50 (ETHANDIOL ; CAS No. : 107-21-1)
Route of exposure :	Inhalation
species :	Rat
Active dose :	> 2,5 mg/l
Exposure duration :	6 h
Parameter :	LC50 (2-PROPANOL ; CAS No. : 67-63-0)
Route of exposure :	Inhalation
species :	Rat
Active dose :	> 25 mg/l

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Exposure duration : 6 h
Method : OECD 403

Specific symptoms in animal experiments

No data available

Irritation and corrosivity

Estimation/classification

Repeated contact can lead to brittle or cracked skin.

CMR effects (carcinogenic, mutagenic and toxic for reproduction)

Carcinogenicity

No evidence of carcinogenicity in humans.

Germ cell mutagenicity

In vivo mutagenicity

Other information

No experimental evidence of in vivo mutagenicity available.

Human toxicological data

Other information

No evidence of germ cell mutagenicity in humans.

Toxicity for reproduction

Experience from practice/with people

No evidence of reproductive toxicity in humans available.

Summary evaluation of the CMR properties

The ingredients of this mixture do not meet the criteria for CMR categories 1A or 1B according to CLP.

SECTION 12: Environmental Information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (ETHANDIOL ; CAS No. : 107-21-1)
species : Fish
Active dose : 72860 mg/l
Exposure duration : 96 h

Parameter : LC50 (2-PROPANOL ; CAS No. : 67-63-0)
species : Fish
Active dose : 9640 mg/l
Exposure duration : 96 h

Chronic (long-term) fish toxicity

Parameter : NOEC (ETHANDIOL ; CAS No. : 107-21-1)
species : Fish
Active dose : 15380 mg/l
Exposure duration : 7 d

Acute (short-term) daphnia toxicity

Parameter : EC50 (ETHANDIOL ; CAS No. : 107-21-1)
species : Daphnia
Active dose : > 100 mg/l
Exposure duration : 48 h
Method : OECD 202

Parameter : EC50 (2-PROPANOL ; CAS No. : 67-63-0)
species : Daphnia
Active dose : 9714 mg/l
Exposure duration : 24 h

Chronic (long-term) daphnia toxicity

Parameter : NOEC (ETHANDIOL ; CAS No. : 107-21-1)
species : Daphnia
Active dose : 8590 mg/l
Exposure duration : 7 d

Acute (short-term) algal toxicity

Parameter : IC50 (ETHANDIOL ; CAS No. : 107-21-1)
species : Algae
Active dose : 6500 - 13000 mg/l

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Exposure duration : 96 h
Parameter : IC50 (2-PROPANOL ; CAS No. : 67-63-0)
species : Algae
Active dose : > 100 mg/l
Exposure duration : 72 h

Sediment toxicity

Toxicity to soil organisms

Acute earthworm toxicity

Chronic earthworm toxicity (reproduction)

Long-term toxicity to sedimentary organisms

Behaviour in sewage treatment plants

Observe local drainage regulations.

12.2 Persistence and degradability

No data available

Abiotic degradation

Abiotic degradation in water

Hydrolysis

Biological

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of the PBT and vPvB assessment

The substances in the mixture do not fulfil the PBT/vPvB criteria according to REACH,

12.6 Other adverse effects

No data available

12.7 Additional ecotoxicological information

Additional information

The product has not been tested.

SECTION 13: Disposal considerations

13.1 Waste treatment processes

Remove in compliance with the official regulations.

Disposal of the product/packaging

Waste codes/waste designations according to EAK/AVV

Waste key product

Waste code (91/689/EEC) : 07 01 99

Waste code Packaging

Waste code Packaging: 15 01 10*

Waste Treatment Solutions

29/35 - Do not discharge into drains; waste and containers must be disposed of in a safe manner. Hand over to an approved waste disposal company.

Proper disposal / packaging

Contaminated packaging must be emptied completely and, after appropriate cleaning, can be reused. Packaging that cannot be cleaned must be disposed of.

13.2 Additional information

These code numbers have been assigned on the basis of the most frequent uses of this material, which means that the formation of pollutants in actual use can be disregarded.

SECTION 14: Transport information

14.1 UN number

Not a hazardous material in the sense of these transport

14.2 Proper UN shipping name

Not a hazardous material in the sense of these transport

14.3 Transport hazard classes

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Not a hazardous material in the sense of these transport regulations.

14.4 Packaging group

Not a hazardous material in the sense of these transport regulations.

14.5 Environmental hazards

Not a hazardous material in the sense of these transport regulations.

14.6 Special precautions for the user

None

SECTION 15: Legislation

15.1 Regulations on safety, health and environmental protection/specific Legislation applicable to the substance or mixture

EU legislation

REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (clp)

Directive 2008/98/EC of the European Parliament and of the Council on waste (2000/532/EC)

EN 2:1992 (DIN EN 2:2005-01; fire classes)

Other EU legislation

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (DIRECTIVE 2000/39/EC, DIRECTIVE 2006/15/EC, DIRECTIVE 2009/161/EU)

National regulations

The national legal regulations must also be observed! TRGS 510

Water hazard class (WGK)

Class : 1 (weakly water endangering) Classification according to VwVwS

Other regulations, restrictions and prohibitions

Industrial Safety Regulation (BetrSichV)

No flammable liquid according to BetrSichV.

VOCV regulation (CH)

Maximum VOC content (Switzerland) : 9.5% by weight according to VOCV

15.2 Chemical Safety Assessment

There is no information available.

15.3 Additional information

SECTION 16: Other information

16.1 Notification of changes

02. classification of the substance or mixture - 02. labelling elements

16.2 Abbreviations and acronyms

None

16.3 Important literature references and data sources

None

16.4 Classification of mixtures and assessment method used in accordance with Regulation (EC) No 1272/2008 [CLP]

There is no information available.

16.5 Wording of H and EUH phrases (number and full text)

H225	Liquid and steam highly flammable.
H302	Harmful if swallowed.
H319	Causes severe eye irritation.
H336	May cause drowsiness and dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

16.6 Training notes

None

16.7 Additional information

None

Safety data sheet
according to Regulation (EC) No 1272/2008

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To the best of our knowledge, the information contained in this safety data sheet is correct at the time of printing. The information is intended to give you guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. Insofar as the product is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material manufactured in this way, unless expressly stated otherwise.
