According to Regulation EC No. 1907/2006

GP 400 Hardener

Date of issue/Date of revision: 09.07.2015 en / GB - Version 2

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance

or preparation: GP 400 Hardener

1.2 Use of the substance/preparation: Hardener for epoxy resin

1.3 Company/undertaking identification

 Company name:
 Gößl + Pfaff GmbH

 Street:
 Münchener Str. 13

 Place:
 85123 Karlskron/Brautlach

 Telephone:
 +49 (0) 8450 / 932-0

 Fax.:
 +49 (0) 8450 / 932-13

Contact person: Management: Mr. Gößl, Mr. Pfaff

E-Mail: info@goessl-pfaff.de
Internet: www.goessl-pfaff.de
Responsible Department: Management

1.4 Emergency telephone

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

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects. Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms







Signal word Danger

Hazard-determining components of labelling:

Fatty acids, tall-oil, reaction products with tetraethylene

non -linear ethyleneamines with 6 N atoms

3,6-diazaoctanethylenediamin

 $3,\!6,\!9,\!12\text{-tetra-azate} tradecamethylene diamine$

Hazard statements

H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

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

water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.



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P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable. **vPvB:** Not applicable.

3. Composition information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 68953-36-6	Fatty acids, tall-oil, reaction products with tetraethylene Skin Corr. 1A, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	10 - 25%
	non -linear ethyleneamines with 6 N atoms Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	2.5-5.0%
CAS: 112-24-3 EINECS: 203-950-6 Reg.nr.: 01-2119487919-13	3,6-diazaoctanethylenediamin ♦ Skin Corr. 1B, H314; ♦ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	2.5-5.0%
CAS: 4067-16-7 EINECS: 223-775-9	3,6,9,12-tetra-azatetradecamethylenediamine ♦ Skin Corr. 1B, H314; Eye Dam. 1, H318; ♦ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ♦ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	0.25-2.5%
CAS: 112-57-2 EINECS: 203-986-2	3,6,9-triazaundecamethylenediamine Skin Corr. 1B, H314; Aquatic Chronic 2, H411; Acute Tox 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	0.25-2.5% c.
CAS: 68131-73-7 EINECS: 268-626-9	amines, polyethylenepoly-HEPA Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	0.25-2.5%
CAS: 90640-66-7	Amines, polyethylenepoly-, tetraethylenepentamine Group Skin Corr. 1B, H314; Aquatic Chronic 2, H411; Acute Tox 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	0.25-2.5%

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures

4.1 Description of first aid measures

General information:

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Personal protection for the First Aider.



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After inhalation:

Supply fresh air.

If required, provide artificial respiration.

Keep patient warm.

Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediate medical treatment necessary.

Failure to treat burns can prevent wounds from healing.

After eye contact:

Rinse opened eye for several minutes under running water.

Then consult a doctor.

Protect unharmed eye.

Call a doctor immediately.

After swallowing:

Do not induce vomiting; call for medical help immediately.

If swallowed or vomiting, danger of entering the lungs.

Rinse out mouth and then drink plenty of water.

A person vomiting while laying on their back should be turned onto their side.

Call for a doctor immediately

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO2, powder or water spray.

Fight larger fires with water spray.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Nitrogen oxides (NOx)

Carbon monoxide (CÓ)

Carbon dioxide

5.3 Advice for firefighters

Protective equipment:

Wear fully protective suit.

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Avoid contact with eyes and skin.



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Ensure adequate ventilation

Keep away from ignition sources.

Protective equipment (see section 8). adequate

Provide ventilation

Keep unnecessary people away.

6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Ensure that suitable extractors are available on processing machines

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away -

Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Keep container tightly closed and dry and storage in a good ventilated room.

Storage temperature: 15 - 25 °C.

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

Store away from foodstuffs.

Further information about storage conditions:

Protect from heat and direct sunlight

Protect from exposure to the light.

Store receptacle in a well ventilated area.

Keep container tightly sealed.

Storage class: 8 A

7.3 Specific end use(s) No further relevant information available.

8. Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.



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ı	o. i Control parameters
l	· Ingredients with limit values th

· Ingredients with limit values the	at require monitoring at the workplace:
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112-24-3 3,6-diazaoctanethylenediamin

MAK (Germany) als Dampf und Aerosol;vgl.Abschn.IV

· DNELs

4067-16-7 3,6,9,12-tetra-azatetradecamethylenediamine

Oral	DNEL Acute systemic effects - short term	32 mg/kg bw/day (General population)
	DNEL systemic effects - long term exposure	0.65 mg/kg bw/d (General population)
Dermal	DNEL Acute local effects - short term	1.59 mg/cm² (General population)
	DNEL Acute local effects - long term	0.68 mg/cm² (General population)
		0.044 mg/cm ² (workers)

	DNEL Acute systemic effects - short term	13 mg/kg bw/day (General population)
	DNEL systemic effects - long term exposure	0.4 mg/kg bw/d (General population)
		0.91 mg/kg bw/d (workers)
Inhalative	DNEL Acute systemic effects - short term	2542 mg/m³ (General population)
		8550 mg/m³ (workers)
	DNEL systemic effects - long term exposure	0.46 mg/m³ (General population)

1.59 mg/m³ (workers)

· PNECs

4067-16-7 3,6,9,12-tetra-azatetradecamethylenediamine

PNEC	0.0025 mg/l (freshwater)
	0.0025 mg/l (marine water)
	0 22 malka (freshwater- sed

0.22 mg/kg (freshwater- sediment)
0.14 mg/kg (seawater - sediment)

1.64 mg/l (sewage plant)
25 mg/l (intermittent releases)

PNEC soil | 0.18 mg/kg (-)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection: Use suitable respiratory protective device when aerosol or mist is formed.

Use suitable respiratory protective device in case of insufficient ventilation.

Use a properly fitted, air-purifying or air-fed an approved respirator complying if the Risk assessment requires.

The selection of respirators must be based on known or anticipated exposure levels, the Hazards of the product and the safe working limits of the Respirator.

Recommended: ammonia filter (type K) with filters Ammonia (Type K) and particle.

Protection of hands

When handling chemical products, before chemical resistant, carried impervious gloves complying with an approved standard be if a risk assessment indicates this is necessary.



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Gloves approved to relevant standards as EN 374 (Europe) and F739 (U.S.) tested gloves are used.

Suitability and durability of a Glove is dependent on usage, for example frequency and duration of contact, chemical resistance of glove material and dexterity

Always seek advice from glove suppliers.

Preventive skin protection (3-point program) required



Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Suitable materials for protective gloves, EN 374-3:

Polychloroprene - CR: thickness> = 0.5 mm, breakthrough time> = 480 min.

NBR - NBR: thickness> = 0,35 mm, Breakthrough time> = 480 min.

Butyl rubber - IIR: thickness> = 0.5 mm, breakthrough time> = 480 min.

Fluorine rubber - FKM: thickness> = 0.4 mm; breakthrough time> = 480 min.

Recommendation: Dispose of contaminated gloves.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Not suitable are gloves made of the following materials:

Leather gloves

Strong material gloves

Eye protection:

Face protection



Tightly sealed goggles

Body protection:

Impervious protective clothing

Boots

Protective work clothing

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid

Colour:Amber colouredOdour:Amine-likeOdour threshold:Not determined.

pH-value at 20 °C:

Change in condition

Melting point/Melting range:

Boiling point/Boiling range:

ca. 230 °C

Flash point:

174 °C

Flash point:

Not easilistly (asilid processes):

Flammability (solid, gaseous): Not applicable. Ignition temperature: ca. 360 °C

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

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Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:
Upper:
Vapour pressure at 20 °C:
Vapour pressure at 20 °C:
Density at 20 °C:
Relative density
Vapour density
Vapour density
Not determined.
Vapour density
Not determined.
Not determined.
Not determined.

Solubility in / Miscibility with

water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic at 20 °C: 1000 mPas **Kinematic:** Not determined.

Solvent content:

Organic solvents: 0.0 % VOC (EC) 0.1 g/l

9.2 Other informationNo further relevant information available.

10. Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Exothermic polymerisation

Reacts with acids, alkalis and oxidising agents.

Reaction with epoxies and isocyanates

10.4 Conditions to avoid

Moisture. Heat, open flames and other ignition sources.

With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen.

Detail in section 7.

10.5 Incompatible materials: Incompatible with oxidizers, acids

10.6 Hazardous decomposition products:

Corrosive gases/vapours

Ammonia

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

· LD/LC5	· LD/LC50 values relevant for classification:		
68953-36-6 Fatty acids, tall-oil, reaction products with tetraethylene			
Oral	LD50	>2000 mg/kg (Ratte)	
4067-16	4067-16-7 3,6,9,12-tetra-azatetradecamethylenediamine		
Oral	LD50	1716 mg/kg (Ratte)	
Dermal	LD50	(Kaninchen)	



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68131-7	68131-73-7 amines, polyethylenepoly-HEPA	
Oral	LD50	2000 mg/kg (Ratte)
Dermal	LD50	2000 mg/kg (Kaninchen)

Primary irritant effect:

Skin corrosion/irritation Caustic effect on skin and mucous membranes.

Serious eye damage/irritation Strong caustic effect.

Respiratory or skin sensitisation Sensitisation possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

According to current knowledge, no known CMR effects

12. Ecological information

12.1 Toxicity

· Aquatic toxic	Aquatic toxicity:	
4067-16-7 3,	4067-16-7 3,6,9,12-tetra-azatetradecamethylenediamine	
EC50 (24h)	24.1 mg/l (Daphnia Magna)	
EC50 (48 h)	17.5 mg/l (Daphnia Magna)	
LC50 (96 h)	180 mg/l (Guppy (Poecilia reticulata))	
	310 mg/l (Elritze (Pimephales promelas))	
NOEC/72h	0.25 mg/l (A)	

12.2 Persistence and degradability No further relevant information available.

Other information: Elimination by adsorption onto activated sludge

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxical effects: Remark: Toxic for fish

Additional ecological information:

General notes:

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms.

In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable. **vPvB:** Not applicable.

12.6 Other adverse effects No further relevant information available.



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13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

Waste disposal key:

The waste code according to the Waste Catalogue (AVV) depends on the waste producer and can therefore be different for a product. The waste code is to identify them separately from each waste producer.

European waste catalogue

Allocation of a waste code number, according to the European Waste Catalogue (EWC) is carried out in agreement with the regional waste disposal.

Uncleaned packaging:

Recommendation:

Material and its container must be disposed of in a safe way.

Be careful when handling emptied containers that have not been cleaned or rinsed out.

Empty containers or liners may retain some product residues.

Avoid the spread of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

14.1 UN-Number ADR, IMDG, IATA

14.2 UN proper shipping name

ADR

IMDG

IATA

14.3 Transport hazard class(es) **ADR**





Class Label

IMDG





UN2735

2735 AMINES, LIQUID, CORROSIVE, N.O.S. (Amines, polyethylenepoly-, tetraethylenepentamine Group, amines, polyethylenepoly-HEPA, TRIETHYLENETETRAMINE, non -linear ethylene amines with 6 N atoms, TETRAETHYLENEPENTA-

MINE), ENVIRONMENTALLY HAZARDOUS

AMINES, LIQUID, CORROSIVE, N.O.S. (Amines, polyethylenepoly-, tetraethylenepentamine Group, amines, polyethylenepoly-HEPA, TRIETHYLENETETRAMINE, non -linear ethyleneamines with 6 N atoms, TETRAETHYLENEPENTA-

MINE), MARINE POLLUTANT

AMINES, LIQUID, CORROSIVE, N.O.S. (Amines, polyethylenepoly-, tetraethylenepentamine Group, amines, polyethylenepoly-HEPA, TRIETHYLENETETRAMINE, non -linear ethyleneamines with 6 N atoms, TETRAETHYLENEPENTA-MINE)

8 (C7) Corrosive substances.



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Class 8 Corrosive substances.

Label

IATA



Class 8 Corrosive substances.

Label

14.4 Packing group

ADR, IMDG, IATA

14.5 Environmental hazards: Product contains environmentally hazardous substances: non -

linear ethyleneamines with 6 N atoms

Marine pollutant: Yes

Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

14.6 Special precautions for user Warning: Corrosive substances.

Danger code (Kemler): 8

EMS Number: F-A,S-B **Segregation groups** Alkalis

14.7 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category 3
Tunnel restriction code E

IMDG

Limited quantities (LQ) 5L Excepted quantities (EQ) 5Code: E

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category 3
Tunnel restriction code E

IMDG

Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (Amines, polyethylenepoly-, tetraethylenepentamine Group, amines,

polyethylenepoly-, tetraethylenepentamine Group, amines, polyethylenepoly-HEPA, TRIETHYLENETETRAMINE, non-linear ethyleneamines with 6 N atoms, TETRAETHYLENE-PENTAMINE), ENVIRONMENTALLY HAZARDOUS, 8, III

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15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Signal word Danger

Hazard-determining components of labelling:

Fatty acids, tall-oil, reaction products with tetraethylene non -linear ethyleneamines with 6 N atoms

3,6-diazaoctanethylenediamin

3,6,9,12-tetra-azatetradecamethylenediamine

Hazard statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

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

water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients is listed.

Seveso category: E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements: 200 t Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t

National regulations:

Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

Relevant phrases

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemical

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)



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VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

The information of this MSDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this MSDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.

