


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

- **1.1 Product identifier**
- **Trade name:** PERGAQUICK CP24 A
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Accelerator for polymerisation / crosslinking
For industrial use
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** PERGAN GmbH
Hilfsstoffe für industrielle Prozesse
Schlavenhorst 71
D-46395 Bocholt
Tel: +49 2871 9902-0
Fax: +49 2871 9902-50
- **Further information obtainable from:** Environment protection / Security of labour
Qualified person: E-mail: msds@pergan.com
- **1.4 Emergency telephone number:** - Tel: +49 2871 9902-0

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Carc. 2 H351 Suspected of causing cancer.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **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** 
GHS08
- **Signal word** Warning
- **Hazard-determining components of labelling:** N,N-dimethylaniline
- **Hazard statements** H351 Suspected of causing cancer.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements** P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
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:** The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
- **vPvB:** The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Determination of endocrine-disrupting properties

128-37-0	Butylated hydroxytoluene	List II
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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Dangerous components:

CAS: 121-69-7 EINECS: 204-493-5 Index number: 612-016-00-0 Reg-No.: 01-2119950342-44	N,N-dimethylaniline Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Carc. 2, H351; Aquatic Chronic 2, H411	5-10%
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CAS: 107-41-5 EINECS: 203-489-0 Index number: 603-053-00-3 Reg-No.: 01-2119539582-35	2-methylpentane-2,4-diol Skin Irrit. 2, H315; Eye Irrit. 2, H319	5-10%
CAS: 128-37-0 EINECS: 204-881-4 Reg-No.: 01-2119555270-46 01-2119565113-46	Butylated hydroxytoluene Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0,1-1%
CAS: 68084-48-0 EINECS: 268-439-2 Reg-No.: 01-2120784744-41	Copper(2+) neodecanoate Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302	0,1-1%
· Additional information: For the wording of the listed hazard phrases refer to section 16.		
· Components:		
Cobalt-Polymer		

SECTION 4: First aid measures

4.1 Description of first aid measures

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



Take care of personal protection for the first aider.

· **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.

Take affected persons into fresh air and keep quiet.

· **After skin contact:** Immediately remove contaminated clothing.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** 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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

· **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters

· **Protective equipment:** Mouth respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Self-protection first!

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.



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

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Soak up with absorbant material (e. g. Vermiculit) and dispose of in accordance with government regulations.

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.

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In case of large spillage the environmental authority should be informed.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
 - Use only in well ventilated areas.
 - Before break and at the end of work hands should be thoroughly washed.
 - While using do not eat, drink or smoke.
- **Information about fire - and explosion protection:**
 - No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - Pay attention to the special requirements of your local authorities for storing dangerous goods.
- **Storage:**
 - Prevent any seepage into the ground.
 - Use only receptacles specifically permitted for this substance/product.
- **Requirements to be met by storerooms and receptacles:**
- **Information about storage in one common storage facility:**
 - Store away from peroxide.
 - Store away from foodstuffs, drinks and feeding stuffs.
- **Further information about storage conditions:**
 - Keep container tightly sealed.
 - Storage in a collecting room is required.
- **Recommended storage temperature (To maintain quality):**
 - +5 +30 °C
- **Storage class:**
 - 10-13
- **7.3 Specific end use(s)**
 - No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

121-69-7 N,N-dimethylaniline

WEL (Great Britain)	Short-term value: 50 mg/m ³ , 10 ppm
	Long-term value: 25 mg/m ³ , 5 ppm
	Sk

107-41-5 2-methylpentane-2,4-diol

WEL (Great Britain)	Short-term value: 123 mg/m ³ , 25 ppm
	Long-term value: 123 mg/m ³ , 25 ppm

128-37-0 Butylated hydroxytoluene

WEL (Great Britain)	Long-term value: 10 mg/m ³
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· DNELs

121-69-7 N,N-dimethylaniline

Dermal	DNEL Longterm System	2,988 mg/kg bw/day (Worker)
Inhalative	DNEL Longterm System	3,406 mg/m ³ (Worker)

107-41-5 2-methylpentane-2,4-diol

Dermal	DNEL Longterm System	42 mg/kg bw/day (Worker)
Inhalative	DNEL Longterm System	44,4 mg/m ³ (Worker)

128-37-0 Butylated hydroxytoluene

Dermal	DNEL Longterm System	0,5 mg/kg bw/day (Worker)
Inhalative	DNEL Longterm System	1,76 mg/m ³ (Worker)

· PNECs

121-69-7 N,N-dimethylaniline

PNEC Marinewater sed	4,942 mg/kg sed dw (-)
PNEC Freshwater	0,023 mg/l (AF 100)
PNEC Freshwater sed	4,942 mg/kg sed dw (-)
PNEC Soil	1,906 mg/kg soil dw (-)
PNEC STP	5,948 mg/l (AF 10)
PNEC Marinewater	0,002 mg/l (AF 1.000)

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107-41-5 2-methylpentane-2,4-diol	
PNEC Marinewater sed	0,159 mg/kg sed dw (-)
PNEC Freshwater	0,429 mg/l (AF 1.000)
PNEC Freshwater sed	1,59 mg/kg sed dw (-)
PNEC Soil	0,066 mg/kg soil dw (-)
PNEC STP	20 mg/l (AF 10)
PNEC Marinewater	0,043 mg/l (AF 10.000)
128-37-0 Butylated hydroxytoluene	
PNEC Marinewater sed	0,046 mg/kg sed dw (-)
PNEC Freshwater	0,000199 mg/l (AF 1.000)
PNEC Seawater	0,00002 mg/l (AF 10.000)
PNEC Freshwater sed	0,458 mg/kg sed dw (-)
PNEC Soil	0,054 mg/kg soil dw (-)
PNEC STP	0,017 mg/l (AF 100)

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

· **8.2 Exposure controls**

· **Appropriate engineering controls**

No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

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.

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

Be sure to clean skin thoroughly after work and before breaks.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilated.



Filter A2

· **Hand protection**

Only use chemical-protective gloves with CE-labelling of category III.



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

Protective gloves

· **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.

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Neoprene

· **Penetration time of glove material**

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

· **Eye/face protection**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

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

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Colour:**

Red

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

Not applicable.

· **Flammability**

Not applicable.

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<ul style="list-style-type: none"> Lower and upper explosion limit Lower: Upper: Flash point: Decomposition temperature: pH Viscosity: Kinematic viscosity Dynamic at 20 °C: Solubility water: Partition coefficient n-octanol/water (log value) Vapour pressure: Density and/or relative density Density at 20 °C: Relative density Vapour density 	<ul style="list-style-type: none"> Not determined. Not determined. 94 °C Not determined. Not determined. Not determined. Not determined. 73 mPas Undetermined. not determined Not determined. 0,96 g/cm³ Not determined. Not determined.
<ul style="list-style-type: none"> 9.2 Other information Appearance: Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate 	<ul style="list-style-type: none"> Fluid Product is not selfigniting. Product does not present an explosion hazard. Not determined.
<ul style="list-style-type: none"> Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids Oxidising solids Organic peroxides Corrosive to metals Desensitised explosives 	<ul style="list-style-type: none"> Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void

SECTION 10: Stability and reactivity

10.1 Reactivity	No further relevant information available.
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	No hazardous decomposition products if used and stored according to specifications.
Additional information:	Emergency procedures will vary depending on conditions. The customer should have an emergency response plane in place.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Acute toxicity	Based on available data, the classification criteria are not met.

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· LD/LC50 values relevant for classification:		
121-69-7 N,N-dimethylaniline		
Oral	LD50	951 mg/kg (rattus)
Dermal	LD50	1.690 mg/kg (cuniculosus)
107-41-5 2-methylpentane-2,4-diol		
Oral	LD50	>2.000 mg/kg (rattus)
Dermal	LD50	>2.000 mg/kg (cuniculosus)
128-37-0 Butylated hydroxytoluene		
Oral	LD50	>2.000 mg/kg (rattus)
Dermal	LD50	>2.000 mg/kg (cuniculosus)
· Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
· Serious eye damage/irritation	Based on available data, the classification criteria are not met.	
· Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.	
· Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
· Carcinogenicity	Suspected of causing cancer.	
· Reproductive toxicity	Based on available data, the classification criteria are not met.	
· STOT-single exposure	Based on available data, the classification criteria are not met.	
· STOT-repeated exposure	Based on available data, the classification criteria are not met.	
· Aspiration hazard	Based on available data, the classification criteria are not met.	
11.2 Information on other hazards		
· Endocrine disrupting properties		
128-37-0	Butylated hydroxytoluene	
		List II

SECTION 12: Ecological information

· 12.1 Toxicity		
· Aquatic toxicity:		
121-69-7 N,N-dimethylaniline		
EC50 / 72h	22 mg/l (alga)	
LC50 / 96h	53,7 mg/l (piscis)	
107-41-5 2-methylpentane-2,4-diol		
LC50 / 96h	8.510 mg/l (gambusia affinis)	
128-37-0 Butylated hydroxytoluene		
LC0 /96h	>0,57 mg/l (piscis)	
EC50 / 48h	0,61 mg/l (daphnia magna)	
IC50 / 72h	>0,4 mg/l (alga)	
· 12.2 Persistence and degradability		
· Degree of elimination:		
· Classification:		
121-69-7 N,N-dimethylaniline		
Degradation	(Readily biodegradable)	
107-41-5 2-methylpentane-2,4-diol		
Degradation	(Readily biodegradable) (OECD 301 F)	
128-37-0 Butylated hydroxytoluene		
Degradation	(Not readily biodegradable)	
· 12.3 Bioaccumulative potential		
· Partition coefficient: nOctanol/water: [Log Kow]		
121-69-7	N,N-dimethylaniline	1,17 (38°C)
107-41-5	2-methylpentane-2,4-diol	< 1
128-37-0	Butylated hydroxytoluene	5,1
67-56-1	methanol	-0,77 (20°C)
· Bioconcentration factor (BCF)		
128-37-0 Butylated hydroxytoluene		
BCF	1.277	
· 12.4 Mobility in soil No further relevant information available.		
· 12.5 Results of PBT and vPvB assessment		
· PBT: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.		
· vPvB: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.		

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- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** Harmful to aquatic organisms
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.

SECTION 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.
- **Waste disposal key:** Please contact your hazardous waste disposers to assign the right EWC-(European waste catalog)-number.
- **Uncleaned packaging:**
- **Recommendation:** This material and its container must be disposed of as hazardous waste.

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	Void
· 14.2 UN proper shipping name	
· ADR, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	No dangerous good according the regulation of transport.
· ADR	
· RID / GGVSEB:	like ADR

* SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**
- **Named dangerous substances**
- **- ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection / Security of labour
- **Contact:** Tel: +49 2871 9902-0
E-mail: mail@pergan.com
- **Version number of previous version:** 3
- **Abbreviations and acronyms:** ADR: Accord relatif au transport international 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 Chemicals
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Carc. 2: Carcinogenicity – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- *** Data compared to the previous version altered.**