

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Contour Check

Article-No. : 7700

Revision date : 22.10.2019

Version : 1.0 /en

Print date : 22.10.2019

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

### 1.1 Product identifier

Commercial Product Name            Contour Check

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

Relevant identified uses            Auxiliary for dental technology

### 1.3 Details of the supplier of the safety data sheet

Company designation                HPdent GmbH  
Erwin-Dietrich-Straße 5  
78244 Gottmadingen  
+49 7731 38 11 044  
+49 7731 31 97 123  
info@hpdent.com

### 1.4 Emergency telephone number

Emergency telephone number        During opening hours: +49 7731 38 11 044 Opening hours Mo – Th  
from 8.30 a.m. to 5 p.m. / Fr from 08.30 a.m. to 4 p.m. (CET).

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008	Classification according to Regulation (EC) No 1272/2008 [CLP] Flam. Liq. 3 Eye Irrit. 2A STOT SE 3
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### 2.2 Label elements

Hazard pictogram



GHS02



GHS07

Signal word

Danger

H-statement(s)

H336: May cause drowsiness or dizziness.

P-statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P240: Ground and bond container and receiving equipment.

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P241: Use explosion-proof (electrical/ventilating/lighting/ ...) equipment.  
P242: Use non-sparking tools.  
P243: Take action to prevent static discharges.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash hands and face before breaks and immediately after handling of the product.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).  
P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P304+P312: In the event of inhalation: If you feel unwell, call the POISON INFORMATION CENTRE or doctor.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult physician.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
Wasser	CAS No. : 7732-18-5	This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].	approx. 50.0 – 55.0 % by weight
ethanol; ethyl alcohol	CAS No. : 64-17-5 EC-No. : 200-578-6 Index-No. : 603-002-00-5	Flam. Liq. 2; H225	approx. 20.0 – 25.0 % by weight
aluminium powder (stabilised)	CAS No. : 7429-90-5 EC-No. : 231-072-3 Index-No. : 013-002-00-1	Water-react. 2; H261 Flam. Sol. 1; H228	approx. 15.0 – 20.0 % by weight
Triethanolamine	CAS No. : 102-71-6 EC-No. : 203-049-8	This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].	< 2.5 %
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2-propenoic acid and N-(1,1,3,3-tetramethylbutyl)-2-propenamide	CAS No. : 129702-02-9	This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].	approx. 0.1 – 1.0 % by weight

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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

If inhaled	IF INHALED: Remove person to fresh air and keep comfortable for breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. Where appropriate artificial ventilation. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
In case of skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower. Remove contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
In case of eye contact	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If swallowed	Do NOT induce vomiting. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

### **4.2 Most important symptoms and effects, both acute and delayed**

Symptoms	Causes serious eye irritation. Symptoms may include stinging, tearing, redness and swelling. Inhaling high concentrations may cause central nervous system depression, with effects ranging from dizziness and headache to unconsciousness. May be mildly irritating to skin and respiratory system. May cause coughing and breathing difficulties. Direct skin contact may cause temporary redness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Prolonged or repeated overexposure could cause adverse liver effects. Long-term ingestion may result in liver damage with symptoms such as jaundice, swelling of the legs, ankles and feet, weight-loss and weakness. However, these effects and symptoms are primarily associated with the consumption of alcoholic beverages.
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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media	Carbon dioxide (CO2) Dry extinguishing powder alcohol resistant foam
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Extinguishing media which must not be used for safety reasons Water may be ineffective because it may not cool product below the flashpoint.

## 5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases Flammable liquid and vapour. Will ignite when exposed to heat, flame and other sources of ignition. Vapours are heavier than air and collect in confined and low-lying areas. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Carbon oxides, waste alumina, unburned alcohol, Gases/vapours, irritant

## 5.3 Advice for firefighters

Special protective equipment for firefighting Wear protective clothing.  
In case of fire: Wear self-contained breathing apparatus.

Additional information on firefighting Remove containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Environmental precautions Prevent penetration into sewers, cellars, work pits or other places where accumulation could be dangerous.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up Ventilate the area. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Pick up and transfer to properly labeled containers. Do not use combustible absorbents, such as sawdust. Do not dispose of waste into sewer. Refer to Section 13 for disposal of contaminated material. Contact the proper local authorities.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling

Use only outdoors or in a well-ventilated area.  
Wear suitable protective clothing.  
Wear suitable protective gloves and eye/face protection.  
Do not breathe vapours.  
Avoid contact with skin, eyes and clothes.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Explosionsgeschützte elektrische Geräte/Lüftungsanlagen verwenden.  
Use only spark proof tools. Take action to prevent static discharges.  
When not in use, keep containers tightly closed.  
Wash hands thoroughly after handling.  
Empty containers retain residue (liquid and/or vapour) and can be dangerous.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements

Keep only in the original container in a cool, well-ventilated place.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Keep locked up and out of the reach of children. Smoking is forbidden.

Hints on storage assembly

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

ethanol; ethyl alcohol

Germany					
Value / ppm	Value / mg/m <sup>3</sup>	Ceiling Limit Value	Remarks	Issuing date	Source
200	380	4(II)	*1) *2)	05/18	TRGS 900

\*1): Senate Commission on the Testing of Health Hazardous Materials of the German Research Community.

\*2): A risk of damage to the fruit need not be feared if the workplace limit value and the biological limit value (BGW) are observed.

Denmark		
Value / ppm	Value / mg/m <sup>3</sup>	Source
1000	1900	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for ...

Norway		
Value / ppm	Value / mg/m <sup>3</sup>	Source
500	950	Veiledning om administrative normer for forurensning i arbeidsatmosfæ...

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Sweden						
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Issuing date	Note	Source
500	1000	1000	1900	1993	V	HYGIENISKA GRÄNSVÄRDEN OCH ÅTGÄRDER MOT LUFTFÖRORENINGAR 2011:18

Finland				
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Source
1000	1900	1300	2500	HTTP-arvot 2012:5 HAITALLISIKSI TUNNETUT PITOISUUDET

Poland	
Long-term exposure value/ mg/m3	Source
1900	ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOLECZNEJ1) z dnia 16 czerw...

Austria							
Area of validity	Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Duration	Frequency per shift	Source
MAK	1000	1900	2000	3800	60(Mow)	3x	Stoffliste (MAK-Werte und TRK-Werte 2012)

Switzerland						
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Notations	Critical toxicity	Source
500	960	1000	1920	SSC	OAW, Formally	SUVA Switzerland 2017

USA (ACGIH)			
Long-term value	Basis	Remarks	Source
1000 ppm	Irritation	Not classifiable as a Human Carcinogen	ACGIH Threshold Limit Values for Chemical Substances 2008

Spain			
Short-term exposure value / ppm	Short-term exposure value / mg/m3	Note	Source

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1.000	1.910	s	Límites de exposición profesional para Agentes Químicos 2014
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France							
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	TMP n°	FT n°	Issuing date	Source
1000	1900	5000	9500	84	48	1982	Valeurs limites d'exposition professionnelle aux agents chimiques en ...

Belgium		
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Source
1 000	1 907	Liste de valeurs limites d'expositions professionnelle aux agents ...

Netherlands			
Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Skin resorption / sensibilisation	Source
260	1900	H	Lijst met wettelijke grenswaarden 2011

Great Britain		
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Source
1000	1920	EH40/2005 Workplace exposure limits (2011)

Czech Republic		
Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Source
1000	3000	NARÍZENÍ VLÁDY ze dne 12.prosince 2007 kterým se stanoví podmínky oc...

Ireland	
Short-term exposure value / ppm	Source
1000	Code of Practice for the Safety Health and Welfare at Work (2011)

Hungary			
Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Remarks	Source
1900	7600	IV.	25/2000. (IX. 30.) EüM-SzCsM együttes rendelet a munkahelyek kémiai b...

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Estonia				
Long-term exposure value/ mg/m3	Long-term exposure value/ ppm	Short-term exposure value / mg/m3	Short-term exposure value / ppm	Source
1000	500	1900	1000	Töökeskonna keemiliste ohutegurite piirnõrmi 11.10.2007 nr 223 (RT ...

Slovenia				
Long-term exposure value/ mg/m3	Long-term exposure value/ ppm	Ceiling Limit Value	Remarks	Source
1900	1000	4	Y	77

Lithuania				
Short-term exposure value / mg/m3	Short-term exposure value / ppm	Long-term exposure value/ mg/m3	Long-term exposure value/ ppm	Source
1000	500	1900	1000	36

Bulgaria	
Long-term exposure value/ mg/m3	Source
1000	81

Latvia	
Long-term exposure value/ mg/m3	Source
1000	78

Romania				
Long-term exposure value/ mg/m3	Long-term exposure value/ ppm	Short-term exposure value / mg/m3	Short-term exposure value / ppm	Source
1900	1000	9500	5000	79

Greece		
Long-term exposure value/ mg/m3	Long-term exposure value/ ppm	Source
1900	1000	80

## aluminium powder (stabilised)

Germany				
Germany	Parameter	Test material	Sampling time	Source
200 µg/l	Aluminium	U	b	TRGS 903

Denmark		
Value / mg/m3	Remarks	Source
5	pulver og støv; total	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for ...
2	pulver og støv; respirabel	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for ...



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5	fume, Calculated as Al	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for ...
5	Powder and dust; total	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for ...
2	Powder and dust; respirable	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for ...

Sweden		
Long-term exposure value/ mg/m3	Remarks	Source
5	1	HYGIENISKA GRÄNSVÄRDEN OCH ÅTGÄRDER MOT LUFTFÖRORENINGAR 2011:18
2	1	HYGIENISKA GRÄNSVÄRDEN OCH ÅTGÄRDER MOT LUFTFÖRORENINGAR 2011:18

Poland				
Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Maximum admissible concentration /mg/ m3	Note	Source
1,2	-	-	\$PHRASE:mk-m7000;TSU_150:PHRASE:mk-	ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOLECZNEJ1) z dnia 16 czerw...
2,5	-	-	\$PHRASE:mk-m7000;TSU_14:PHRASE:mk-	ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOLECZNEJ1) z dnia 16 czerw...
2,5	-	-	\$PHRASE:mk-m7000;TSU_pl_28:PHRASE:mk-	ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOLECZNEJ1) z dnia 16 czerw...
1,2	-	-	\$PHRASE:mk-m7000;TSU_pl_303:PHRASE:mk-	ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOLECZNEJ1) z dnia 16 czerw...
2,5	-	-		ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOLECZNEJ1) z dnia 16 czerw...
1,2	-	-		ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOLECZNEJ1) z dnia 16 czerw...

Austria				
Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Duration	Frequency per shift	Source

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10 E	20 E	60(Miw)	2x	Stoffliste (MAK-Werte und TRK-Werte 2012)
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Switzerland				
Long-term exposure value/ mg/m3	Notations	Critical toxicity	Remarks	Source
3a	B	Formally{KT}	NIOSH siehe 1.8.2	SUVA Switzerland 2017

USA (ACGIH)	
USA (ACGIH)	Source
1 mg/m3 (respirable)	Company data

Spain			
Long-term exposure value/ mg/m3	Remarks	Note	Source
10	Metall und Pulver; Al en polvo estabilizado		Límites de exposición profesional para Agentes Químicos 2014
2	Alkyle; as Al		Límites de exposición profesional para Agentes Químicos 2014
5	Welding; as Al		Límites de exposición profesional para Agentes Químicos 2014
5	Polvos de aluminotermia; as Al		Límites de exposición profesional para Agentes Químicos 2014
2	Sales solubles; as Al	c	Límites de exposición profesional para Agentes Químicos 2014

France				
Long-term exposure value/ mg/m3	Remarks	FT n°	Issuing date	Source
10		306	1985	Valeurs limites d'exposition professionnelle aux agents chimiques en ...
5	Powdered	306	1987	Valeurs limites d'exposition professionnelle aux agents chimiques en ...

Belgium		
Long-term exposure value/ mg/m3	Remarks	Source
1	Alveolar fraction	Liste de valeurs limites d'expositions professionnelle aux agents ...

Great Britain		
Long-term exposure value/ mg/m3	Remarks	Source

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10	inhalable dust	EH40/2005 Workplace exposure limits (2011)
4	respirable dust	EH40/2005 Workplace exposure limits (2011)

Ireland		
Long-term exposure value/ mg/m3	Note	Source
10	total inhalable dust	Code of Practice for the Safety Health and Welfare at Work (2011)
4	respirable dust	Code of Practice for the Safety Health and Welfare at Work (2011)
5	welding fume	Code of Practice for the Safety Health and Welfare at Work (2011)
1	Respirable Fraktion	Code of Practice for the Safety Health and Welfare at Work (2011)

Hungary		
Long-term exposure value/ mg/m3	Remarks	Source
6	Respirable fraction	25/2000. (IX. 30.) EüM-SzCsM együttes rendelet a munkahelyek kémiai b...

Estonia		
Long-term exposure value/ mg/m3	Remarks	Source
10	total dust; \$PHRASE:mk-m7000;TSU_et_4:PHRASE\$	Töökesskonna keemiliste ohutegurite piirnormid 11.10.2007 nr 223 (RT ...
4	respirable dust; \$PHRASE:mk-m7000;TSU_et_4:PHRASE\$	Töökesskonna keemiliste ohutegurite piirnormid 11.10.2007 nr 223 (RT ...

Slovenia	
Note	Source
BAT	UMCO

Lithuania		
Short-term exposure value / mg/m3	Remarks	Source
5	kaip Al: ūkvepiamoji frakcija	36
2	kaip Al: alveolinū frakcija	36

## Triethanolamine

Germany				
Value / mg/m3	Ceiling Limit Value	Remarks	Issuing date	Source
1	1(l)	*1) *2)	05/18	TRGS 900

\*1): Senate Commission on the Testing of Health Hazardous Materials of the German Research Community.

\*2): A risk of damage to the fruit need not be feared if the workplace limit value and the biological limit value (BGW) are observed.

Denmark		
Value / ppm	Value / mg/m3	Source
0,5	3,1	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for ...

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Norway	
Value / mg/m <sup>3</sup>	Source
5	Veiledning om administrative normer for forurensning i arbeidsatmosfæ...

Sweden						
Long-term exposure value/ ppm	Long-term exposure value/ mg/m <sup>3</sup>	Short-term exposure value / ppm	Short-term exposure value / mg/m <sup>3</sup>	Issuing date	Note	Source
0,8	5	1,6	10	2011	H, V	HYGIENISKA GRÄNSVÄRDEN OCH ÅTGÄRDER MOT LUFTFÖRORENINGAR 2011:18

Finland		
Long-term exposure value/ mg/m <sup>3</sup>	Issuing date	Source
5	2007	HTTP-arvot 2012:5 HAITALLISIKSI TUNNETUT PITOISUUDET

Austria								
Area of validity	Long-term exposure value/ ppm	Long-term exposure value/ mg/m <sup>3</sup>	Short-term exposure value / ppm	Short-term exposure value / mg/m <sup>3</sup>	Duration	Frequency per shift	Skin re-sorption / sensibilisation	Source
MAK	0,8		1,6		15(Miw)	4x	S	Stoffliste (MAK-Werte und TRK-Werte 2012)
MAK		5		10	15(Miw)	4x	S	Stoffliste (MAK-Werte und TRK-Werte 2012)

Switzerland			
Long-term exposure value/ mg/m <sup>3</sup>	Short-term exposure value / mg/m <sup>3</sup>	Critical toxicity	Source
5 e	10 e	eye & Skin OAW	SUVA Switzerland 2017

USA (ACGIH)		
Long-term value	Basis	Source
5 mg/m <sup>3</sup>	Irritation, liver, kidney	ACGIH Threshold Limit Values for Chemical Substances 2008

Spain	
Long-term exposure value/ mg/m <sup>3</sup>	Source

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5	Límites de exposición profesional para Agentes Químicos 2014
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Belgium	
Long-term exposure value/ mg/m3	Source
5	Liste de valeurs limites d'expositions professionnelle aux agents ...

Czech Republic			
Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Note	Source
5	10	D	NARIZENÍ VLÁDY ze dne 12.prosince 2007 kterym se stanoví podmínky oc...

Ireland	
Long-term exposure value/ mg/m3	Source
5	Code of Practice for the Safety Health and Welfare at Work (2011)

Estonia			
Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Remarks	Source
5	10	S	Töökeskkonna keemiliste ohutegurite piirnormid 11.10.2007 nr 223 (RT ...

Slovenia	
Long-term exposure value/ mg/m3	Source
5 (I)	77

Lithuania			
Short-term exposure value / mg/m3	Long-term exposure value/ mg/m3	Note	Source
5	10	J	36

## 8.2 Exposure controls

Respiratory protection	If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn.
Hand protection	Wear suitable protective clothing and gloves.
Suitable material	Butyl caoutchouc (butyl rubber), FKM (fluoro rubber), CR (polychloroprene, chloroprene rubber)
Unsuitable material	NR (natural rubber, natural latex), PVA (Polyvinyl alcohol), PVC (Polyvinyl chloride)
Eye protection	Wear eye glasses with side protection according to EN 166.

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Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

General protective and hygiene measures Do not breathe vapours. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke when using this product. Wash hands before eating, drinking or smoking. Usual hygienic measures of dental practice and dental laboratories.

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

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

Physical state	liquid
Appearance	silver
Odour	odourless
Initial boiling point [°C] and boiling range [°C]	87,8 °C (190 °F)
Flash point [°C]	36,1 °C (97 °F)
Flammability (solid, gas)	Not applicable
Water solubility [g/l]	soluble
Autoignition temperature [°C]	370 °C (752 °F)

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Reactivity No hazardous reaction when handled and stored according to provisions.

### **10.2 Chemical stability**

Chemical stability The product is stable under storage at normal ambient temperatures.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions No hazardous reaction when handled and stored according to provisions.

### **10.4 Conditions to avoid**

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### **10.5 Incompatible materials**

Materials to avoid Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

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## 10.6 Hazardous decomposition products

Hazardous decomposition products - Unknown

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Oral toxicity [mg/kg]

##### Hazardous ingredients

ethanol; ethyl alcohol			
Value	Test species	Exposure duration	Source
7060	Rat	LD50	Company data

aluminium powder (stabilised)				
Value	Test species	Exposure duration	Remarks	Source
> 2000	Rat	LD50	keine Sterblichkeit	Company data

Triethanolamine			
Value	Test species	Exposure duration	Source
6110	Rat	LD50	Company data

#### Dermal toxicity [mg/kg]

##### Hazardous ingredients

ethanol; ethyl alcohol			
Value	Test species	Duration	Source
>15800	Rabbit	LD50	Company data

Triethanolamine			
Value	Test species	Remarks	Source
> 2000	Rabbit	keine Sterblichkeit	Company data

#### LC50 Inhalation 4h for gases [ppmV]

##### Hazardous ingredients

ethanol; ethyl alcohol		
Value	Test species	Source
32380 (61 mg/l)	Rat	Company data

#### LC50 Inhalation 4h for vapours [mg/l]

##### Hazardous ingredients

aluminium powder (stabilised)		
Value	Note	Source
> 2.3	keine Sterblichkeit	Company data

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Triethanolamine			
Value	Test species	Note	Source
1,8 mg/m <sup>3</sup>	Rat	keine Sterblichkeit	Company data

Subacute, subchronic, chronic toxicity	Excessive over-exposure may cause slight liver effects. Long-term ingestion may result in liver damage with symptoms such as jaundice, swelling of the legs, ankles and feet, weightloss and weakness. However, these effects and symptoms are primarily associated with the consumption of alcoholic beverages.
Sensitization	None known.
Carcinogenic effects	Based on available data, the classification criteria are not met.
Mutagenicity	Based on available data, the classification criteria are not met.
Reproduction toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure) [mg/kg]	May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure) [mg/kg]	May cause drowsiness or dizziness.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish [mg/l]

##### Hazardous ingredients

ethanol; ethyl alcohol				
Value	Test species	Measuring method	Exposure duration	Source
>100	Pimephales promelas (fat-head minnow)	LC50	96 h	Company data

Triethanolamine				
Value	Test species	Measuring method	Exposure duration	Source
11800	Pimephales promelas (fat-head minnow)	LC50	96 h	Company data

#### Toxicity to daphnia [mg/l]

##### Hazardous ingredients

ethanol; ethyl alcohol				
Value	Test species	Exposure duration	Measuring method	Source
5012	Daphnia magna (Big water flea)	48 h	EC50	Company data



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Triethanolamine				
Value	Test species	Exposure duration	Measuring method	Source
609,98	Daphnia magna (Big water flea)	48 h	EC50	Company data

## Toxicity to algae [mg/l]

### Hazardous ingredients

ethanol; ethyl alcohol				
Value	Test species	Exposure duration	Measuring method	Source
1000	Green algae	96 h	EC50	Company data

Triethanolamine				
Value	Exposure duration	Measuring method	Source	
216	72 h	EC50	Company data	

## 12.3 Bioaccumulative potential

### Bioconcentration factor (BCF)

#### Hazardous ingredients

Triethanolamine	
Value	Source
< 3,9	Company data

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods



Disposal considerations

Dispose of waste according to applicable legislation.

Uncleaned empty packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	UN1263	UN1263	UN1263
14.3 Transport hazard class(es)	3	3	3
14.4 Packaging group	III	III	III
14.2 Description of the goods	PAINT		
14.2 UN proper shipping name		PAINT	PAINT
Labels		3 - Flammable Liquid 	3 - Flammable Liquid 
Limited quantity			< 5 l < 30 kg

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	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA

## SECTION 15: Regulatory information

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

Additional regulations

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

## SECTION 16: Other information

Relevant H-phrases

H225: Highly flammable liquid and vapour.

H228: Flammable solid.

H261: In contact with water releases flammable gases.

Wording of the hazard classes

This product is classified as not hazardous according to regulation EC CLP

Flam. Liq.: Flammable liquid

Flam. Sol.: Flammable solid

STOT SE: Specific target organ toxicity – single exposure

Further information

The information is based on present level of our knowledge. It does not however, give assurances of product properties and establishes no contract legal rights.

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.

Modifications of the previous version are denoted with an asterisk (\*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.