

**SAFETY DATA SHEET (EC 1907/2006)****Neacid**

Material no.		Version	<b>3.4 / GB</b>
Specification	<b>102872</b>	Revision date	<b>26.01.2012</b>
VA-Nr		Print Date	<b>26.01.2012</b>
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**DeguDent**  
*A Dentsply Company***1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	Neacid
Company	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	+49 (0)6181/59-5767
Telefax	+49 (0)6181/59-5879
Email address	SDB@degudent.de
Emergency telephone number	+49 (0)180 / 23 24-555

Use of the Substance / Preparation For dental use only.

REACH Registration No.: if available listed in Chapter. 3

**2. HAZARDS IDENTIFICATION****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Eye Irrit. 2	Category 2	H319
Skin Irrit. 2	Category 2	H315
Aquatic Chronic 3	Category 3	H412

**GHS-Labeling**

Symbol(s)



Signal word Warning

Hazard statement  
H319 - Causes serious eye irritation.  
H315 - Causes skin irritation.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statement: P273 - Avoid release to the environment.

Prevention

Precautionary statement: P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Reaction

Remove contact lenses, if present and easy to do. Continue rinsing.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.**Classification as per Directive 67/548/EC or Directive 1999/45/EC**

Xi, Irritant

R36/38: Irritating to eyes and skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Other Hazards**

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**DeguDent**  
A Dentsply Company**3. COMPOSITION/INFORMATION ON INGREDIENTS****Information on ingredients / Hazardous components As per EU-CLP Ordinance (EC) No. 1272/2008**

• <b>sulfamic acid</b>	70% - 80%		
CAS-No.	5329-14-6	EC-No.	226-218-8
Eye Irrit. 2		Category 2	H319
Skin Irrit. 2		Category 2	H315
Aquatic Chronic 3		Category 3	H412

**Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC**

• <b>sulfamic acid</b>	70% - 80%		
CAS-No.	5329-14-6	EC-No.	226-218-8
	Xi; R36/38		
	R52/53		

Texts of H phrases, see in Chapter 16  
See chapter 16 for text of risk phrases

**4. FIRST AID MEASURES****Description of first aid measures**

Remove contaminated or saturated clothing immediately and dispose of safely.

**Inhalation**

Move victims into fresh air.

Consult a physician immediately.

**Skin contact**

Wash off with soap and plenty of water.

Consult a physician immediately.

**Eye contact**

Keeping eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or, if necessary, eye rinsing solution.

Consult an ophthalmologist.

**Ingestion**

Do not induce vomiting.

Rinse out mouth.

Immediately give large quantities of water to drink.

Consult a physician immediately.

**Most important symptoms and effects, both acute and delayed****Indication of any immediate medical attention and special treatment needed**

Therapy as for chemical burn.

If substance has been swallowed:

stomach pumping under gastroscopic view

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

mist, quenching powder, foam

**Unsuitable extinguishing media**

None known

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**DeguDent**  
A Dentsply Company**Special hazards arising from the substance or mixture**

The product itself does not burn.

**Special protective equipment for fire-fighters**

Employ protective equipment commonly used in the event of fire.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Avoid coming into contact with the following substance/substance classes: Product.  
Avoid dust formation.  
Do not breathe dust.

**Environmental precautions**

Prevent penetration into soil, stretches of water and drainage systems.

**Methods and material for containment and cleaning up**

Absorb mechanically avoiding production of dust.

**Additional advice**

Dispose of contaminated material as waste in accordance with section 13.

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**7. HANDLING AND STORAGE****Handling****Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practices.  
If used in accordance with the regulations:  
Risk of serious damage to eyes.

**Storage****Conditions for safe storage, including any incompatibilities**

Keep container tightly sealed and store in a dry, well-ventilated place.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

Remarks                      None known

**Engineering measures**

Handle in accordance with good industrial hygiene and safety practices.

**Personal protective equipment****Respiratory protection**

Put on Respirator with grey B-type filter with high gas/vapour concentrations.

**Hand protection**

Wear protective gloves made of the following materials:  
acid-resistant protective gloves

Glove material                      Polychloroprene (PCP)

Material thickness                      0.5 mm

Break through time                      480 min

Method                      Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

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Glove material	butyl-rubber
Material thickness	0.5 mm
Break through time	480 min
Method	Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

Glove material	Fluorinated rubber (FKM)
Material thickness	0.4 mm
Break through time	480 min
Method	Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

Glove material	PVC
Material thickness	0.5 mm
Break through time	480 min
Method	Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

The suitability for a specific workplace should be discussed with the producers of the protective gloves. The exact break through time can be obtained from the protective glove producer and this has to be observed.

preventive skin protection  
Use barrier cream regularly.

**Eye protection**

Safety glasses with side-shields

**Skin and body protection**

Avoid contaminating clothes with product.  
Immediately change moistened and saturated work clothes.  
preventive skin protection

**Hygiene measures**

No eating, drinking, smoking, or snuffing tobacco at work.  
Wash hands before breaks and at the end of workday.

**Protective measures**

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	powder
Colour	white
Odour	sour

**Information on basic physical and chemical properties**

pH	< 1	(260 g / l)
	Medium:	water

Ignition temperature	n.a.
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Thermal decomposition	205 °C
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Density	2.1 g/cm <sup>3</sup>
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Bulk density	ca. 600 kg/m <sup>3</sup>
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Water solubility	278 g/l
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**DeguDent**  
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Incompatible materials                      halogens, oxidizing agents, alkalines

Hazardous decomposition products      sulphur dioxide, ammonia, nitrous gases

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	LD50 Rat: 3160 mg/kg related to substance: sulfamic acid
Acute inhalation toxicity	no data available
Acute dermal toxicity	no data available
Skin irritation	Rabbit highly irritative related to substance: sulfamic acid
Eye irritation	Rabbit highly irritative related to substance: sulfamic acid
Sensitization	no data available
Repeated dose toxicity	no data available
Mutagenicity assessment	no data available
Carcinogenicity	No data available
Toxicity to reproduction	No data available
Further information	No dangerous reactions are known to occur with correct handling and storage.

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

*No ecotoxicological data is available for this product.*

**Further information on ecology**

Further Information	Prevent penetration into soil, stretches of water and drainage systems. Harmful to aquatic organisms. Noxious effect due to pH shift Toxic effect due to products of decomposition (sulphur dioxide sulphur trioxide)
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**DeguDent**  
A Dentsply Company**13. DISPOSAL CONSIDERATIONS****Product**

Disposal according to local authority regulations.

**Uncleaned packaging**

Disposal according to local authority regulations.

**14. TRANSPORT INFORMATION****Land transport ADR/RID/GGVSEB (Germany)**

Class	8
ADR/RID-Labels	8
UN-No	2967
Packaging group	III
orange warning plate	80 / 2967
Tunnel Restriction Code (ADR)	(E)
Description of the goods (Technical name)	SULPHAMIC ACID

**Sea transport IMDG-Code/GGVSee (Germany)**

Class	8
UN-No	2967
Packaging group	III
EmS	F-A, S-B
Proper technical name (Proper shipping name)	SULPHAMIC ACID

**Air transport ICAO-TI/IATA-DGR**

Class	8
UN-No	2967
Packaging group	III
Proper technical name (Proper shipping name)	Sulphamic acid

**Inland waterway transport ADN/GGVSEB (Germany)**

Class	8
ADR/RID-Labels	8
UN-No / Substance number	2967
Packaging group	III
Description of the goods (Technical name)	SULPHAMIC ACID

**Loading instructions/Remarks**

IATA_C	ERG-Code 8L
IATA_P	ERG-Code 8L

**15. REGULATORY INFORMATION****National legislation**

employment restriction

The employment limitations under the protection of young persons act, the laws on pregnant women and young mothers and work at home is/are to be observed.

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**DeguDent**  
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- **sulfamic acid**

R36/38	Irritating to eyes and skin.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Texts of the H-phrases**

- **sulfamic acid**

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.

**Further information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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**DeguDent**  
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<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration Factor
<b>BetrSichV</b>	German Ordinance on Industrial Safety and Health
<b>c. c.</b>	closed cup (geschlossenes Gefäß)
<b>CAS</b>	Chemical Abstract Services
<b>CESIO</b>	European Committee of Organic Surfactants and their Intermediates
<b>ChemG</b>	German Chemicals Act
<b>CMR</b>	Carcinogenic-Mutagenic-toxic for Reproduction
<b>DIN</b>	German Institute for Standardization
<b>DNEL</b>	Derived No Effect Level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>GefStoffV</b>	German Ordinance on Hazardous Substances
<b>GGVSEB</b>	German ordinance for road, rail and inland waterway transportation of dangerous goods
<b>GGVSee</b>	German ordinance for sea transportation of dangerous goods
<b>GLP</b>	Good Laboratory Practice.
<b>GMO</b>	Genetic Modified Organism
<b>IATA DGR</b>	International Air Transport Association – Dangerous Goods Regulations
<b>ICAO-TI</b>	International Civil Aviation Organisation - Technical Instructions
<b>IMDG Code</b>	International Maritime Dangerous Goods Code
<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>LOEL</b>	Lowest Observed Effect Level
<b>NOAEL</b>	No Observed Adverse Effect Level
<b>NOEC</b>	No Observed Effect Concentration
<b>NOEL</b>	No Observed Effect Level
<b>o. c.</b>	open cup (offenes Gefäß)
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, Bioaccumulative, Toxic
<b>PEC</b>	Predicted Effect Concentration
<b>PNEC</b>	Predicted No Effect Concentration
<b>RID</b>	Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>TA</b>	Technical Instructions (German Ordinance)
<b>TPR</b>	Third Party Representative (Art. 4)
<b>TRGS</b>	Technical Rules for Hazardous Substances (German Regulations)
<b>VCI</b>	German "Verband der Chemischen Industrie e. V."
<b>vPvB</b>	Very Persistent, Very Bioaccumulative
<b>VOC</b>	Volatile Organic Compounds
<b>VwVwS</b>	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
<b>WGK</b>	German Water Hazard Class
<b>WHO</b>	World Health Organization