

# MEGANOVA

Warenhandelsgesellschaft mbH

<b>SAFETY DATA SHEET</b>		
<b>1. Manufacturer and product identification:</b>		
<b>1.1. Name of the product:</b>		
<b>Bonus Gold Urinsteinlöser</b>		
<b>1.2. Application:</b>		
It is designed for cleaning sanitary devices. Removes lime and dirt.		
<b>1.3. Name of the manufacturer:</b>		
Name and address:	Meganova Warenhandels GmbH, Langmaar 12, 41238 Mönchengladbach	
Telephone:	(02166) 8681-0	
E-mail:	<a href="mailto:info@anvertex.de">info@anvertex.de</a>	
<b>1.4. Emergency number:</b>		
<b>1.5. Person responsible for this card preparation:</b>		
<b>2. Hazard identification:</b>		
According to binding laws - the product is not classified as hazardous.		
<b>Health impacts:</b>		
Irritating substance. Irritates eyes and skin.		
<b>Symptoms and effects of exposure:</b>		
Breathing in: present in the product Sulfuric Acid) can cause irritation of upper respiratory tract.Symptoms: sore throat, cough, difficulties with breathing.		
Intake: the product is caustic-it can lead to the irritation of the throat, tongue, and gastrointestinal system. In special cases it can lead to burns. Symptoms: the feeling of thirst, nausea, vomiting, diarrhoea,blood from the alimentary cannal. Fatal dose of the Sulfuric Acid 96% is 6-8g.		
Contact with skin: causes skin irritation,the degree of irritation depends on the time of contact and the intensity of contact.In special cases it can cause burning.Symptoms:redness, burning sensation,and in special cases: wounds.		
Contact with eyes:the product can irritate eyes.In special cases it can lad to terminal eyes damage or the loss of sight. Symptoms: redness, burning sensation, pain.		
<b>Hazardous properties:</b> Present in the product. Sulfuric Acid is corrodent to metals with the emission of hydrogen.		
<b>Environmental impact:</b> Priduct ingredients can get into ground waters and soil. Can be hazardous to environment due to the change of pH.		

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### 3. Composition and information on ingredients:

Substance name	3088-31-1
CAS number	221-416-0
WE number	
Index number	< 3%
Contents (%)	
Substance classification	Xi; R36/38
Substance labeling	Xi: R36/38
Surfuric Acid	
96%	
7664-93-9	
231-639-5	
016-020-00-8	
5< c < 15	
C; R 35	
C;	
R; 35	
S: 1/2-26-30-45	
Sodium Laureth-2 Sulfate	

### 4. First Aid:

**4.1. Respiratory tract:** Take the sufferer to breathe in fresh air. Protect from heat loss. Contact the physician.

**4.2. Contact with skin:** Take off contaminated clothing. Contaminated places rinse with plenty of water. Do not use soap. In case of any disturbing symptoms (lasting redness, burning sensation) -contact the physician. In special cases, when the sufferer has burns, put sterile dressing on them.

**4.3. Eyes:** Rinse eyes with plenty of water, with your eyelids exposed, for at least 15min. Contact the ophthalmologist immediately in case of irritation.

**4.4. Intake:** Rinse the mouth. Do not induce vomiting. Contact the physician. You can give something to drink.

### 5. Action in case of fire:

**Particular hazards:** the product is non-flammable. Due to thermal decomposition, sulphoxides can be released.

**Fire-fighting media:** Available ones, proper for non-flammable products.

**Specific hazards in case of fire:** Due to thermal decomposition, sulphoxides can be released.

**Fire-fighting media:** use a respiratory mask and protective clothing.

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## 6. Accidental release measures:

**Individual's safety measures:** Protective clothing, protective gloves made from butyl rubber or vitron. In case of big amounts of released product, use mask with filter P2. Avoid contamination of eyes and skin.

**Safety measures within the scope of preventing ecology:** Do not allow big amounts of the liquid to get into sewage, ground water, surface water and soil.

**Cleaning methods:** In case of hung leakage, surround by rampart the source of liquid and evaporate it. Small amounts of substance sprinkle with firefighting powder, collect product into hermetic packagings and submit for utilization. Contaminated surface rinse with a lot of water.

## 7. Handling and storage of the product:

**7.1. Handling the product:** Use in accordance with ist destiny. Avoid contact with eyes and skin.

**7.2. Storing:** Store in oryiginal packagings, hermetically closed. Avoid high temperatures. Keep away from children. In case of storing of big amounts, make sure that ventilation is proper in the warehouse.

## 8. Exposure controls and personal protection:

### 8.1. The highest allowed concentration of substances at workplace:

Sulfuric Acid: NDSCh: 3mg/m<sup>3</sup>, NDS: 1mg/m<sup>3</sup>

Butoxyethanol: NDS: 98mg/m<sup>3</sup>; NDSCg: 200mg/m<sup>3</sup>;

### 8.2. Exposure control:

#### 8.2.1. Control of the exposure at workplace:

**Respiratory tract protection:** In case of vapours inhale risk-use masks with filters P2.

**Hands protection:** Protective gloves, incase of long-term exposure-gloves from butyl rubber

**Eyes protection:** protective glasses.

**Skin protection:** protective clothing.

## 9. Physical and chemical properties:

### 9.1. General information:

**State:** liquid

**Colour:** red

**Fragrance:** characteristic, reminds the scent of plastic.

### 9.2. Health, safety and ecological information:

**pH:** 1-2

**Boiling point:** no data

**Ignition point:** does not concern

**Flammability:** does not concern

**Explosive characteristic:** does not concern

**Oxidizing properties:** no data

**Vapour density:** no data

**Vapour tension:** does not concern

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**Density:** no data  
**Solubility:** no data  
**Solubility in water:** total  
**N-octanol/water division factor:** no data  
**Viscosity:** no data  
**Evaporation speed:** no data.

**10. Stability and reactivity:**

When used in normal conditions, the product is stable.  
**Conditions and materials to avoid:** High temperatures, metals, chlorates, perchlorates, phosphorus, sulphochlorine acid, hydrofluoric acid, hydrochloric acid.  
**Hazardous products of decomposing:** sulphoxides.

**11. Toxicological information:**

Acute, oral toxicity:  
LD 50 (human) -> 135mg/kg for Sulfuric Acid  
LD 50 (orally, rat) ->2140 mg/kg for Sulfuric Acid  
LD 50 (rat) - 9421 mg/kg (for solution 25-27%) for Sodium Lauret- 2 Sulfate  
**Acute, inhale toxicity:**  
No data for Sulfuric Acid and Sodium Laureth-2 Sulfate  
**Acute toxicity, when in contact with skin:**  
causes burns (rabbit)-Sulfuric Acid.  
lightiy irritates-Sodium Laureth-2 Sulfate  
**Cancer effect, mutagenic effects and hazardous reaction on reproduction:** Regarding the ingredients of the product they have no hazardous effect or there is no data.  
**Local impact:**  
While using in accordance with its destination there should be no problems.  
  
skin - irritates  
eyes - irritates

**12. Ecological information:**

**12.1. Ecotoxicity:**No research connected with toxicity impact on water environment was conducted  
**Sulfuric Acid:** Toxicity for fish: LC50: 100-330 mg/l/48h  
fatal dose for fish: 6,3 mg/l/24h  
**Toxicity for daphna magna: EC50: 29mg/148h**  
**Sodium Laureth - 2 Sulfate**  
Toxicity for fish: LC50 1,5-1,5 mg/l  
Toxicity for Daphna magna: CE50 1-50 mg/l

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<b>12.2 Mobility</b>	Product ingredients can pervade ground waters.
<b>12.3. Durability and ability to decompose:</b>	
biodegradable properties: Sulfuric Acid; No data	
Sodium Laureth-2 Sulfate: 99,2% marked in accordance with 82/243/EEC	
<b>12.4 Ability to bioaccumulation:</b>	No Data
<b>12.5 Results of PBT evaluation of properties (durability, ability to decompose, toxicity and bioaccumulation):</b>	No data.
<b>12.6 Other hazardous effects:</b>	no Data

**13. Waste handling:**  
The contents of a packing shall be used completely. After use, the packaging shall be rinsed with water and brought to the utilization as a plastic packaging waste, or simply taken out to a bin. Do not dispose to the environment *the Urinsteinloser Gel*, which is terminated or packagings with *the Urinstinloser Gel* remains.

**14. Transport information:**  
**Overland transport ADR/RID:** no limitations.  
**Sea transport IMDG:** no limitations.  
**Air transport ICAO-TI i IATA-DGR:** no limitations.

**15. Information concerning legal regulations:**  
This Safety data sheet complies with the European Community Directive: 1907/2009/EC (REACH). It was also completed according to Polish bills and regulations.

**Xi-Irritating substance**  
**R36/38** Irritating to eyes and skin.  
**S1/2** Keep locked up and out the reach of children.  
**S24/25** Avoid contact with skin and eyes.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**S28** After contact with skin, wash immediately with plenty of... (to be specified by the manufacturer).  
**S46** If swallowed, seek medical advice immediately and show this container or label.

**16- Other information:**  
This Data sheet was prepared on the grounds of valid laws and regulations concerning hazardous substances and on the grounds of Safety Data Sheets of individual ingredients provided by the manufacturers.

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**Register of R phrases:**

**R35 Causes severe burns.**

**R36/38 Irritating to eyes and skin**

**Register of S phrases:**

**S1/2 Keep locked**

**S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**

**S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**

**S28 After contact with skin, wash immediately with plenty of water.**

**S30 Never add water to this products.**

**S37/39 Wear suitable gloves and eye/face protection.**

**S46 If swallowed, seek medical advice immediately and show this container or label.**

**The Safety Data Sheet was modified in the following way:**

No modifications - first edition of the SDS.

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