

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 05.08.2005

Reviewed on 21.03.2005

### \* 1 Identification of substance:

· **Product details:**

· **Trade name:** *TM DESANACID fp*

· **Application of the substance / the preparation** *Cleaning material/ Detergent*

· **Manufacturer/Supplier:**

*Dipl. Ing. THONHAUSER GmbH*

*Salitergasse 26*

*A-2380 Perchtoldsdorf*

*Tel.: +43/1/8694182*

· **Informing department:** *Product safety department.*

· **Emergency information:** *Vergiftungsinformationszentrale +43/1/406 43 43*

### 2 Composition/Data on components:

· **Chemical characterization**

· **Description:** *Mixture of the substances listed below with harmless additions.*

· **Dangerous components:**

CAS: 5329-14-6 EINECS: 226-218-8	<i>sulphamidic acid</i>	<i>Xi; R 36/38-52/53</i>	<i>50-100%</i>
CAS: 7646-93-7 EINECS: 231-594-1	<i>potassium hydrogensulphate</i>	<i>C; R 34-37</i>	<i>10-25%</i>

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

### 3 Hazards identification

· **Hazard designation:**



*C Corrosive*

· **Information pertaining to particular dangers for man and environment**

*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

*R 34 Causes burns.*

*R 37 Irritating to respiratory system.*

*R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

· **Classification system**

*The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*

### 4 First aid measures

· **General information** *Instantly remove any clothing soiled by the product.*

· **After inhalation**

*Supply fresh air or oxygen; call for doctor.*

*In case of unconsciousness bring patient into stable side position for transport.*

· **After skin contact** *Instantly wash with water and soap and rinse thoroughly.*

· **After eye contact** *Rinse opened eye for several minutes under running water. Then consult doctor.*

· **After swallowing**

*Rinse out mouth and then drink plenty of water.*

*Do not induce vomiting; instantly call for medical help.*

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### 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** Put on breathing apparatus.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:** Do not allow product to reach sewage system or water bodies.
- **Measures for cleaning/collecting:** Collect mechanically.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:**  
Thorough dedusting.  
Store in cool, dry place in tightly closed containers.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.  
Protect from heat and direct sunlight.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Use breathing protection in case of insufficient ventilation.
- **Protection of hands:** 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.
- **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 protection:** Safety glasses
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	Solid.
<b>Colour:</b>	White

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<b>Smell:</b>	Odourless
<b>· Change in condition</b> Melting point/Melting range: Not determined Boiling point/Boiling range: Not determined	
<b>· Flash point:</b>	Not applicable
<b>· Self-inflammability:</b>	Product is not selfigniting.
<b>· Danger of explosion:</b>	Product is not explosive.
<b>· Density</b>	Not determined
<b>· Solubility in / Miscibility with Water:</b>	Soluble
<b>· pH-value:</b>	Strongly acidic

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** Violent reactions with strong alkalis and oxidizing agents
- **Dangerous products of composition:** Sulphur oxides (SO<sub>x</sub>)

### 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

5329-14-6 sulphamidic acid

Oral LD50 3160 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** Caustic effect on skin and mucous membranes.

- **on the eye:** Strong caustic effect.

- **Sensitization:** No sensitizing effect known.

- **Additional toxicological information:**

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

Corrosive

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

### 12 Ecological information:

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### 13 Disposal considerations

- **Product:**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### 14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**



- **ADR/RID-GGVS/E Class:** 8 (C4) Corrosive substances.
- **Kemler Number:** 80
- **UN-Number:** 3261
- **Packaging group:** II
- **Label:** 8
- **Designation of goods:** 3261 CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (SULPHAMIC ACID)

- **Maritime transport IMDG/GGVSea:**



- **IMDG/GGVSea Class:** 8
- **UN Number:** 3261
- **Label:** 8
- **Packaging group:** II
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Correct technical name:** CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (SULPHAMIC ACID)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 3261
- **Label:** 8
- **Packaging group:** II
- **Correct technical name:** CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (SULPHAMIC ACID)

### 15 Regulatory information

- **Designation according to EC guidelines:**  
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Code letter and hazard designation of product:**



C Corrosive

- **Hazard-determining components of labelling:**  
potassium hydrogensulphate

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**· Risk phrases:**

- 34 Causes burns.
- 37 Irritating to respiratory system.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**· Safety phrases:**

- 20 When using do not eat or drink.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 28 After contact with skin, wash immediately with plenty of water.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**· National regulations**

- Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
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**16 Other information:**

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**· Relevant R-phrases**

- 34 Causes burns.
- 36/38 Irritating to eyes and skin.
- 37 Irritating to respiratory system.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**· Department issuing data specification sheet:** Environment protection department.

- \* Data compared to the previous version altered.**
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