
SAFETY DATA SHEET

Date of issue: 14th March 2006

replace safety data sheet:

1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1. **durgol[®] swiss steamer[®]**
- 1.2. **Special decalcifier for steamers**
- 1.3. **DÜRING AG, CH-8108 Dällikon, Brunnenwiesenstrasse 14**
Phone: ++41 44 847 2747
Fax: ++41 44 844 3890
- 1.4. **Toxicological Information Centre**
Zürich: ++41 44 251 5151
Berlin +49 (0)30 192 40
Vienne +43 (0)1 406 43 43
Paris +33 1 40 05 48 48

2. COMPOSITION / INFORMATION OF INGREDIENTS

Component name	Wt-%	CAS-No.	EC-No.	INDEX-No.	Symbol	R-phrases
Hydrochloric acid	< 10	007647-01-0	231-595-7	017-002-01-X	C	34-37
Phosphoric acid	< 25	007664-38-2	231-633-2	015-011-00-6	C	34
Text of R-phrases see chapter 16						

3. HAZARD IDENTIFICATION

Irritating to eyes and skin.

4. FIRST AID MEASURES

Inhalation: Remove affected person to fresh air, rest, warm, get medical attention if irritation persists.

Skin contact: Change contaminated clothes. Wash skin with water and soap. Get medical attention if irritation persists.

Eye contact: Flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Rinse mouth with water, then give plenty of water to drink and seek medical advice.

5. FIRE FIGHTING MEASURES

Not combustible. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Endangered containers - cool with water spray and move from fire area. In case of fire development of dangerous gases/fumes is possible.

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes. Do not breathe vapour. Care for well-ventilated area. Use personal protection equipment.

Environmental precautions: Do not allow to enter open bodies of water or the subsoil.

Methods for cleaning: Absorb spillage into inert absorbent material and place into sealed container for disposal (see chapter 13).

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Do not breathe vapour. Use only in well-ventilated areas. Keep out of the reach of children.

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Storage: Store in original container, tightly closed on a well-ventilated, cool place.
Keep away from food, drink and animal feedingstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

When using do not eat, drink or smoke. Wash hands with water and soap after working with the product. Use only in well-ventilated areas. Avoid contact with skin and eyes. Do not breathe vapour. Preventive skin-protection is recommended. Change contaminated clothes.

Inhalation: in case of insufficient ventilation, wear suitable respiratory equipment

Eyes: safety goggles

Hands: protective gloves

Occupational Exposure Limits:

5 ml/m³ related to Hydrogen chloride (European Union: directive 2000/39/EC)

1 mg/m³ related to Phosphoric acid (European Union: directive 2000/39/EC)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state, colour, odour: liquid, green, characteristic

pH-value: ~1,0

Flash point: n.a.

Specific gravity: ~1,14 g/cm³ (20°C)

Solubility: miscible with water

10. STABILITY AND REACTIVITY

Materials/conditions to avoid: Avoid contact with strong lyes.

Hazardous decomposition products: If heated dangerous gases/vapours may arise.

11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of concentrated vapours may irritate the respiratory system.

Skin contact: Irritating to skin.

Eye contact: Irritating to eyes.

Ingestion: Gastric troubles and irritation of mucous membranes possible.

12. ECOLOGICAL INFORMATION

WGK-Germany: 1 (according to VwVwS-Germany)

Do not allow to enter open bodies of water and the subsoil.

European Union: Directive 76/464/EC

13. DISPOSAL CONSIDERATIONS

European Union: Waste-Code 16 10 01 (watery liquid waste, contains dangerous substances)

European Union: decree EEC 259/93

14. TRANSPORT INFORMATION

No dangerous good according to international transport regulations

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15. REGULATORY INFORMATION

Symbol and indication of danger:



irritant

Hazardous Components: Phosphoric acid

R-phrases: 36/38 – Irritating to eyes and skin

S-phrases: 2 – Keep out of the reach of children

24/25 – Avoid contact with skin and eyes

26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

46 – If swallowed, seek medical advice immediately and show this container or label

European Union: dangerous preparation in accordance to directive 1999/45/EC

16. OTHER INFORMATION

The specified regulations are in relation to the current version.

n.a. = not applicable

R-phrases from chapter 2: R34-Causes burns. R37-Irritating to respiratory system.

This safety data sheet has been prepared in accordance with the requirements of European Union directive 91/155/EEC. The environmental, health and safety information contained herein is based on our current knowledge. It remains the responsibility of the customer to provide a safe workplace and to comply with all applicable laws and regulations. This data sheet and the information it contains is not intended to supersede any terms and conditions of sale and does not constitute a specification, promise, representation, or warranty, whether express or implied, except to the extent required by applicable law.