

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter®

## DeMatik Pi-240 Reg

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

#### 1.1. Product identifier

DeMatik Pi-240 Reg

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

##### Use of the substance/mixture

Regenerating agent

##### Uses advised against

No information available.

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

##### Supplier

Company name: Winterhalter Ltd.  
Winterhalter House  
Street: Roebuck Way, Knowlhill Milton Keynes  
Place: UK Buckinghamshire MK5 8WH United Kingdom  
Telephone: +44 1908 3590-00  
Telefax: +44 1908 3590-60  
e-mail: info@winterhalter.co.uk  
Internet: www.winterhalter.co.uk

1.4. Emergency telephone number: National Poisons Centre, Birmingham: +44 845 4647  
Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Signal word: Warning

Pictograms: GHS07



##### Hazard statements

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

##### Precautionary statements

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362 Take off contaminated clothing.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter®

## DeMatik Pi-240 Reg

P501 Waste disposal according to local regulations.

### 2.3. Other hazards

Not known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of the following substances with non-hazardous admixtures

#### Hazardous components

EC No	Chemical name	Quantity
CAS No		
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
226-218-8	sulfamic acid, sulphamic acid, sulphamidic acid	100 %
5329-14-6		
016-026-00-0	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412	
01-2119488633-28		

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

No specific precautions required.

#### After inhalation

Ensure of fresh air.

If symptoms persist, call a physician.

#### After contact with skin

Wash hands with water as a precaution.

In case of irritation consult a physician.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lens.

Consult (eye) doctor immediately.

#### After ingestion

Rinse out mouth and give plenty of water to drink.

Never give anything by mouth to an unconscious person.

Consult a physician.

Induce vomiting only upon the advice of a physician.

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

Causes skin irritation. Causes serious eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

Product does not burn, fire-extinguishing activities according to surrounding.

#### Unsuitable extinguishing media

Full water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire may produce: carbon monoxide and carbon dioxide.

## DeMatik Pi-240 Reg

In case of fire and/or explosion do not breathe fumes.  
Fire gas of organic material has to be classed invariably as respiratory poison.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

### Additional information

Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## SECTION 6: Accidental release measures

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

Use personal protective clothing.  
Respirator must be worn if exposed to dust.  
Avoid contact with eyes, skin or mucous membrane.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.

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

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.

### 6.4. Reference to other sections

Information for safe handling look up section 7.  
Information for personal protective equipment look up chapter 8.  
Information for disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep in the original sealed container.  
Avoid contact with eyes, skin or mucous membrane.

#### Advice on protection against fire and explosion

No special protective measures against fire required.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.  
Keep only in original container.

#### Hints on joint storage

Incompatible with:  
Bases, Acids and oxidizing agents.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

Regenerating agent

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

Obey TLV for common dust, if applicable.

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Take the usual precautions when handling with chemicals.  
Keep away from food, drink and animal feeding stuffs.  
Avoid contact with skin, eyes and clothing.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter®

## DeMatik Pi-240 Reg

Remove and wash contaminated clothes before re-use.  
Wash hands before breaks and at the end of workday.  
When using do not eat, drink or smoke.

### Eye/face protection

Safety goggles (EN 166).

### Hand protection

Protective gloves (EN 374).

### Respiratory protection

Breathing apparatus (particle filter) only if dust is formed.

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## SECTION 9: Physical and chemical properties

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

Physical state:	Solid	
Colour:	White	
Odour:	Odourless	
pH-Value (at 25 °C):	1,2	(10 g/l)
Melting point:	205 °C	
Initial boiling point and boiling range:	n.d.	
Flash point:	n.a.	
Evaporation rate:	n.a.	
Flammability:	n.a.	
Lower explosion limits:	n.d.	
Upper explosion limits:		
Vapour pressure (at 20 °C):	0,0078 hPa	
Vapour density:	n.a.	
Density (at 25 °C):	2,13 g/cm <sup>3</sup>	
Bulk density:	1000 - 1300 kg/m <sup>3</sup>	
Water solubility (at 20 °C):	213 g/L	
Solubility in other solvents:	No information available.	
Partition coefficient:	n.d.	
Ignition temperature:	n.a.	
Auto-ignition temperature:	n.a.	
Decomposition temperature:	209 °C	
Viscosity / dynamic:	n.a.	
Viscosity / kinematic:	n.a.	
Explosive properties:	The product is not explosive.	
Oxidizing properties:	Not fire-promoting.	

### 9.2. Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No decomposition if stored and applied as directed.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter®

## DeMatik Pi-240 Reg

### 10.5. Incompatible materials

oxidizing agents, chlorine, Bases.

### 10.6. Hazardous decomposition products

Fire may produce: sulfur oxides, Ammonia, carbon monoxide and carbon dioxide.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

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## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

sulfamic acid, sulphamic acid, sulphamidic acid

LC50/ Pimephales promelas .96 h = 70 mg/l [OECD 203]

EC50/Daphnia magna/24 h = 71,6 mg/l

### 12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

### 12.6. Other adverse effects

Low hazard to waters.

#### Further information

Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter®

## DeMatik Pi-240 Reg

### Waste disposal number of waste from residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number:** UN 2967  
**14.2. UN proper shipping name:** SULPHAMIC ACID  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C2  
Limited quantity: 5 kg  
Transport category: 3  
Hazard No: 80  
Tunnel restriction code: E

### Inland waterways transport (ADN)

**14.1. UN number:** UN 2967  
**14.2. UN proper shipping name:** SULPHAMIC ACID  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C2  
Limited quantity: 5 kg

### Marine transport (IMDG)

**14.1. UN number:** UN 2967  
**14.2. UN proper shipping name:** SULPHAMIC ACID  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Special Provisions: -  
Limited quantity: 5 kg  
EmS: F-A, S-B

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 2967  
**14.2. UN proper shipping name:** SULPHAMIC ACID

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter®

## DeMatik Pi-240 Reg

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Hazard label: 8



Special Provisions: A803

Limited quantity Passenger: 5 kg

IATA-packing instructions - Passenger: 860

IATA-max. quantity - Passenger: 25 kg

IATA-packing instructions - Cargo: 864

IATA-max. quantity - Cargo: 100 kg

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

Refer to section: 6 - 8

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The transport takes place only in approved and appropriate packaging. The product is not intended for transport in bulk.

## SECTION 15: Regulatory information

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

#### EU regulatory information

1999/13/EC (VOC): 0 %

#### Additional information

This product complies with the criteria developed in the Regulation (EC) No. 648/2004 on detergents.

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

## SECTION 16: Other information

### Changes

Changes in chapter: 8, 15

### Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

### Further Information

The information in this Safety Data Sheet refer to the concentrate, not to the ready to use solution.

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)