



Mouldpro ApS
Baltorpbakken 10
DK-2750 Ballerup Denmark
Tlf. 70203131 E-mail info@mouldpro.com

Safety Data Sheet No. SS0103 Rev. 11 dated 04-01-10

PRODUCT: REMOVER PLUS POWDER

Presentation and layout in conformity with the requirements of the REACH regulation published in the OJEU (Official Journal of European Union) on 30.12.06

1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY

1.1 Identification of the substance or preparation

Product name: REMOVER PLUS POWDER
Registration number: Not available

1.2 Use of the substance

Descaling powder for plants with elements in stainless steel, aluminium, tin, light alloys.

1.3 Identification of the company

Company name: Mouldpro ApS
Baltorpbakken 10
DK-2750 Ballerup
+45 70 20 31 31
Tlf.:
Person in charge of the SDS: Mr Stefan Hansen
e-mail: info@mouldpro.com

2 HAZARDS IDENTIFICATION

Classification: Xi Irritant R 36/38; N Dangerous to the environment R 52/53
Hazards for humans and environment: The product is hazardous because of its acidity.
Main harmful effects for humans: Irritating to eyes and skin.
Main harmful effects for environment: Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

3 COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	EINECS	Content	Classification and risk phrases
Sulphamic acid	226-218-8	> 50%	Xi R36/38; 52/53

4 FIRST AID MEASURES

4.1 General directions: In case of unconsciousness, do not give anything to drink, do not induce vomiting. Seek medical attention.
4.2 Inhalation: Move the person to fresh air.
4.3 Skin contact: Wash with plenty of water. Remove all contaminated clothes.
4.4 Eye contact: Wash with plenty of water for some minutes, by keeping eyelids open..
If possible, remove contact lenses smoothly.
In case of irritation, seek medical attention.
4.5 Ingestion: Drink plenty of water, rinse mouth. Do not induce vomiting.
Seek medical attention.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: Chemical powder, CO₂, water fog, foam.
5.2 Particular hazards: Incombustible. In case of fire, toxic fumes of SO_x, NO_x, NH₃ may be formed.



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5.3 Protection of fire-fighters: Not applicable.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Do not inhale the powder.
6.2 Environmental precautions: Prevent from dispersing into sewers or ground.
6.3 Clean-up procedures: Pick up dry and in closable containers. Dispose of in compliance with the regulations in force. Clean the residues with plenty of water.

7 HANDLING AND STORAGE

7.1 Handling Avoid direct contact with the product. Do not eat, drink, smoke during work.
7.2 Storage Store the product in a fresh, dry and well-ventilated room.
Store away from alkalis, do not keep in contact with metals.

8 EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Exposure limit values Not applicable
8.2 Exposure controls Not applicable
8.2.1 Occupational exposure controls
Respiratory protection Dust mask type P2
Hand protection Rubber gloves resistant to acid powders
Eye protection Protective glasses
Skin protection Protective clothing
8.2.2 Environmental exposure protection
Not applicable

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Crystalline powder.
Colour: Ruby red.
Odour: Odourless.
Specific weight: 1,6 Kg/dm³.
Solubility: 150 g/l at 25 °C.
pH: 1,2 (10 g/l at 25 °C).
Fusion point/interval: 205 °C.
Decomposition interval/point: -
Flammability point: Not applicable.

10 STABILITY AND REACTIVITY

Stability: The product does not decompose if used according to the norms.
Conditions to avoid: Contact with: alkalis, metals, strong acids, strong oxidisers, nitrites.
Hazardous reactions: Reaction with nitrites with development of gaseous nitrogen.
Decomposition products: Sulphurous and sulphuric anhydride.

11 TOXICOLOGICAL INFORMATION

11.1 Acute toxicity:
DL50 oral, little mouse: 1312 mg/Kg



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DL50 oral, rat:	3160 mg/Kg
DLLo, intraperitoneal, rat:	100 mg/Kg
Skin sensitisation test (rabbit):	500 mg/ 24 h: very much
Eye irritation test (rabbit):	0,25 mg/ 24 h: very much

11.2 Harmful effects for health

Powder inhalation:	Irritations to mucosae. Difficult breathing.
Skin contact:	Irritations, burns.
Eye contact:	Irritations, burns.
Ingestion:	Irritations to the mucosae of mouth, throat, esophagus and intestinal canal.

Other hazardous features are not to be excluded. Keep usual precautions when handling the chemicals.

12 ECOLOGICAL INFORMATION

12.1 Mobility:	Not known
12.2 Ecotoxicity:	
Test EC 50 (mg/l):	Not known
Receptor medium:	
Risk for the land environment =	Not known
Observations:	Ecotoxicity is due to the pH deviation. Low chronic ecotoxicity.
12.3 Degradability:	
Test: DBO5 =	Not known
Classification on biotic degradation:	
DBO5/DQO Biodegradability =	Not known
Abiotic degradation depending on pH:	Not known
Observations:	Biodegradable product.
12.4 Accumulation:	
Test:	Not available
Bioaccumulation:	
Hazard =	Not known
Observations:	Non-bioaccumulable product.
12.5 Other possible effects to the environment:	If suitable handling conditions are kept, ecological problems should not occur.

13 DISPOSAL CONSIDERATIONS

Do not dispose of the product mixed with household waste. Dispose of in compliance with the applicable regulations.

14 TRANSPORT INFORMATION

Road ADR

UN No.

2967



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PRODUCT: REMOVER PLUS POWDER

Technical name: SULPHAMIC ACID
Class: 8
Classification Code: C2
Packing group: III
Labels: 8
Special provisions: -
Limited and excepted quantities: LQ24 - E1
Packing instructions: P002 - IBC08 - LP02 - R001
Special packing provisions: B3
Mixed packing provisions: MP10 May, in quantities not exceeding 5 kg per inner packaging, be packed together in a combination packaging with goods of the same class covered by other classification codes or with goods of other classes, when mixed packing is also permitted for these or with goods which are not subject to the requirements of ADR, provided they do not react dangerously with one another.

Transport category (Tunnel restriction code): 3 (E)
Special provisions for carriage: VV9 Carriage in bulk is permitted, as a full load, in sheeted vehicles, closed containers or in sheeted large containers with complete walls. The body of the vehicle or container shall be equipped with a suitable and sufficiently stout inner lining.

Hazard identification no. 80
Hazardous for environment: -

Rail RID

UN No. **2967**
Technical name: SULPHAMIC ACID
Class: 8
Classification Code: C2
Packing group: III
Labels: 8
Special provisions: -
Limited and excepted quantities: LQ24 - E1
Packing instructions: P002 - IBC08 - LP02 - R001
Special packing provisions: B3
Mixed packing provisions: MP10
Transport category (Tunnel restriction code): 3 (E)
Special provisions for carriage: VW9
Colis Express (Express Goods): CE11 An express parcel package shall not contain more than 24 kg of the substance.


Hazard identification no. 80
Hazardous for environment: -

Air ICAO-IATA

Technical name: SULPHAMIC ACID
Class: 8
Sub Risk: -
Label: Corrosive
Packing group: III
ERG Code: 8L
UN/ID Number: 2967

Sea IMDG CODE

Technical name: SULPHAMIC ACID
Class o division: 8
Packing group: III

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EmS: F-A, S-B
Stowage and Segregation: Category A
UN/ID Number: 2967

15 REGULATORY INFORMATION

Symbol: Xi Irritant; N Dangerous to the environment;
Risk phrases: R 36/38 Irritating to eyes and skin;
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment;
Safety phrases: S 2 Keep out of the reach of children;
S 26 In case of contact with eyes, wash immediately with plenty of water and seek medical advice;
S 28 In case of contact with skin, wash immediately with plenty of water and sodium bicarbonate;

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

16 OTHER INFORMATION

The information given in this Safety Data Sheet is correct according to our best knowledge of the product at the time of release. The information is supplied for the sole purpose of using, storing, transporting and disposing of the product in the most correct and safe way. The information given is not to be considered as a guarantee or a specification of the product qualities. It relates only to the product specified and is not valid for it when used in combination with other materials or in other processes not specifically indicated in the text of the Safety Data Sheet of the product.

The classification and risk phrases of the components mentioned in section 3, where applicable, are referred to the content of the component in the product.