

Material Safety Data Sheet

Date of Preparation : 14-08-2007

Conforms to EEC-Directions 93/112/EC

1 Product and Company Identification

* **Product name** : PRORADIX-WP

* **Company/Supplier:**

SOURCON-PADENA GmbH & Co KG

Hechingerstrasse 262

D-72072 TÜBINGEN

Federal Republic of Germany

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Email: info@sourcon-padena.de

In case of emergency phone: Poison Centre Bonn + 49 22819240

2 Composition / Information on Ingredients

Proradix WP contains the micro organism: *Pseudomonas* sp PRORADIX (DSMZ 13134): $6.6 \cdot 10^{10}$ cfu x g⁻¹

3 Hazards Identification

R42/43: May cause sensitization by inhalation and skin contact.

4 First Aid Measures

Inhalation : Remove to fresh air.

Skin contact : Wash with soap and water. Clothing needs to be changed.

Eye contact : Flush eyes with ample amounts of water.

5 Fire Fighting Measures

Extinguishing Media: Water

6 Accidental Release Measures

Person-related Safety Precautions

Ensure adequate ventilation and make sure the powder will not be inhaled.

Environment related protection measures: Collect the powder in a closed container and heat it during 5 hours till at least 60 degrees Centigrade, after that to be treated as organic waste disposal.

7 Handling and Storage

Handling:

PRORADIX WP may only be applied according to the instructions of use to be continuously made available by SOURCON-PADENA GmbH & Co. KG. PRORADIX WP needs to be kept separately from food and feed and needs to be kept and stored at a place inaccessible to children. PRORADIX WP will not be applied or undiluted.

Storage:

Unopened at least conservable at:

- ambient temperatures some days
 - +4 °C 6 months
 - -20 °C (deep frozen) 1 year
 - during transportation and storage temperatures above 30°C should be avoided for a longer period
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8 Exposure Controls and Personal Information

Exposure guidelines: not aware of any guidelines

General measures are to be taken in regard to protection and hygiene.

Infested clothing needs to be taken off immediately

Keep away from food and feedstuff

Do not eat, drink, smoke snack during the preparation and application of this product.

9 Physical and Chemical Properties

Appearance : powder

Colour : ivory

Smell : neutral

Danger of explosion: The product is not subject to danger of explosion, however accumulation of explosive dust may be possible.

Dissolvability in water : fully dissolvable

10 Stability en reactivity

Conditions to avoid: Heating, UV-radiation

Incompatibilities with Other Materials: No interactions with other materials noted.

Hazardous Decomposition Products : None noted

11 Toxicological information

Acute toxicity: The micro-organism did not show acute oral toxic characteristics.

Primary irritant effect: Proradix WP is not irritating to the skin and eyes.

Sensitization: No hypersensitive activity noted in human.

Out of precaution on basis of European Directive 2001/36/EC: R42/43 should be included for microbiological products.

Experience with humans: No toxicological effects noted.

12 Ecological Information

There is no danger to the environment.

13 Disposal Considerations

Packaging: Empty packets may not be reused.

Further recommendations: Empty packets should not be disposed of in surface waters.

14 Transport information

Product not noted dangerous, to be kept separately from foodstuff. Protect against moisture. Avoid temperatures above 30 °C for a longer period.

15 Legal regulations

Indication according to EC-directives:

Hazard Symbol: Xn

R-phrases:

R42/43 : May cause sensitization by inhalation and skin contact

S-phrases:

S22 : Do not breathe dust

S36/37 : Wear suitable protective clothing and suitable gloves.

S42 : During preparation wear suitable respiratory equipment (*appropriate wording to be provided by the manufacturer.*)

S45 : In case of accident or if you feel unwell, seek medical advice immediately. (*Show the label when possible*)

16 Additional information

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine for themselves the suitability of any material for a specific purpose, whether alone or in combination with any other product and to adopt such safety precautions as may be necessary. This shall in no way establish a legally valid relationship.

Company that made these safety instructions: SOURCON-PADENA GmbH & Co KG

Version : 01/2005, 02/2007, 03/2007