MENNO Florades®

Approval number: MAPP 19998

DISINFECTANT with broad spectrum activity against pathogenic fungi (including spore forms), bacteria, viruses and viroids that are harmful to plants. For use on crop handling and storage structures.

Preparation: A soluble concentrate containing 90 g/l (9% w/w) benzoic acid. Contains: Propan-1-ol, Propan-2-ol

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS A DISINFECTANT

Situations:	Crop Handling and Storage Structure.
Maximum individual dose:	32 ml product per square metre (see other specific restrictions).
Latest time of application:	After the last use or before re-use and after thorough mechanical cleaning.
Maximum total dose:	-
Max. number of treatments:	-
Other specific restrictions:	The maximum concentration must not exceed 40 ml product per litre solution.

For indoor use, do not use outdoors. Do not apply directly to plants or products of plant origin.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

Highly flammable liquid and vapour. Causes serious eye damage. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Do not breath vapour/spray. Store in a well-ventilated place. Keep container tightly closed. To avoid risk to human health and the environment, comply with instructions for use.



SAFETY PRECAUTIONS:

Operator Protection - Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate. WEAR SUITABLE PROTECTIVE GLOVES when applying the product. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

Environmental Protection - Do not contaminate water with the product or its container Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads.

Storage and Disposal - KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. WASH OUT CONTAINER THOROUGHLY and dispose of safely. Do not re-use the packaging. Protect from frost. Use mechanical handling if the container size is greater than 20 litres.

DOM:
EXP:
LOT:

Freifläche 60 mm x 12 mm

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58246-08

Specimen

MENNO Florades®

UFI 2A2O-UODS-POON-PGFM

DIRECTION FOR USE:

IMPORTANT: This information is authorised as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Restrictions: Use in greenhouses is restricted to permanent protection with full enclosure, defined as providing full enclosure (including continuous top and side barriers down to below ground level) and which are present and maintained over a number of years. Do not apply directly to plants or products of plant origin. Plants must not be placed on treated surfaces until they are dry.

Disease Organisms Controlled:

Bacteria: Agrobacterium, Clavibacter, Erwinia, Pseudomonas, Ralstonia, Xanthomonas, etc.

Fungi (including spore forms): Alternaria, Aspergillus, Botrytis, Colletotrichum, Cylindrocladium, Dactylium, Didymella, Fusarium, Helminthosporium, Mucor, Pythium, Phytophthora, Rhizoctonia, Rhizopus, Thielaviopsis, Trichoderma, Verticillium, etc.

Viruses and Viroids:

Easy to inactivate: Pelargonium leaf curl tombusvirus, Potato spindle tuber viroid, Arabis mosaic nepovirus, Chrysanthemum stunt viroid, Pelargonium line pattern virus, Tomato spotted wilt tospovirus, Cymbidium mosaic virus

Not easy to inactivate: Melon necrotic spot carmovirus, Pepino mosaic potexvirus, Zucchini yellow mosaic potyvirus, Pelargonium flower break carmovirus

Difficult to inactivate: Tobacco streak virus, Bell Pepper mottle Virus, Odontoglossum ringspot tobamovirus, Pepper mild mottle tobamovirus, Tobacco mosaic tobamovirus

- No gas phase - product can be used in glasshouses containing plants.
- Plants can be placed on treated surfaces once dry.

Thoroughly wash all surfaces and equipment to remove all deposits and organic material before treatment. Dilute MENNO Florades with water at the required rates according to target organism(s) as set out in the following table:

Application area	Application technique	Disease organism	Product concentration	Dilution (ml product/ litre water)	Minimum time for complete control/inactivation
Hard surfaces in crop handling and storage structures (including Surfaces, tables, benches, trays, walls, machines, containers and vessels)	Directed coarse spray, foaming (lathering), watering (pouring of aqueous solution or foam), flooding	Viruses and viroids easy to inactivate	1 %	10	4 hours
		Viruses and viroids easy and not easy to inactivate	2 %	20	8 hours
		All viruses and viroids with exception of Tobacco mosaic tobamovirus	4 %	40	1 hour
		Tobacco mosaic tobamovirus	4 %	40	16 hours
		Fungi plus bacteria with exception of Mucor	1 %	10	16 hours
		All fungi plus bacteria	2 %	20	4 hours
		Bacteria only	1 % OR 2 %	10 OR 20	1 hour OR 0.5 hours
Small tools/ equipment (e.g. knives, secateurs)	Dipping (replace dip daily)	Viruses, viroids, fungi, bacteria	4 %	40	3 minutes

Quantity of diluted product to be applied: Apply a maximum of 800 ml diluted solution per square metre.

Recommendations: On hard surfaces and ebb-and-flow benches etc., apply 200 ml diluted solution per square metre.

Application: To be applied by foaming (lathering) watering (pouring of aqueous solution or foam), flooding, not to be applied as a spray. Monitor the acidity (pH) of dipping solutions with pH paper - if necessary add more product until the pH is below 4.5.

COMPANY ADVISORY INFORMATION:

The following information does not form part of the product label under the UK Plant Protection Regulations and provides additional advice on product use.

The exposure time is pathogen-specific and could be shorter if necessary / consult the manufacturer.

Note: MENNO Florades has been widely and safely used throughout European horticulture, however, owing to variations in application and growing conditions and the many different species and varieties of plants we can't accept liability for any crop damage. We therefore recommend performing a tolerance test on a small number of plants - especially in the case of produce ready for sale - at the relevant stage of growth before the whole batch is treated.

Approval holder: MENNO CHEMIE-VERTRIEB GMBH, D-22850 Norderstedt, Germany, T: +4940 52906670, www.menno.de

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Specimen