

Anti-Peck Spray Data Sheet

1. IDENTIFICATION

1.1	ANTICANNIBAL DP 1166
1.2 Use:	Poultry pecking deterrent
1.2 Supplier:	BIOLINK LIMITED HALIFAX WAY POCKLINGTON INDUSTRIAL ESTATE POCKLINGTON YORK YO42 1NR ENGLAND.
Emergency telephone	01280 841085 (office hours only)
Fax:	01759 303158
E-mail:	paul@biolinklimited.co.uk (technical) sales@biolinklimited.co.uk (sales)

2. HAZARDS IDENTIFICATION

Classification:	IRRITANT
Adverse effects and symptoms relating to use and misuse.	
Physicochemical	Miscible with water.
Human health	Can be irritating to the eyes, skin and mucus membranes.
Environmental	None at this concentration

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC No.	Cas No.	Classification	Content	Risks
Denatonium benzoate	223-095-2	3734-33-6	Irritant	<1%	R25, R36, R37/38
Polymeric hexamethylene biguanide hydrochloride		32289-58-0	Irritant / Dangerous for the environment	<1%	R36/38, R43, R51/53

4. FIRST AID MEASURES

Medical attention is required in the event of eye contact.	
Inhalation:	Remove to fresh air, keep warm and seek medical advice/assistance if any symptoms persist.
Skin contact:	Remove any contaminated clothing and flush with copious amounts of water and seek medical advice/assistance if any symptoms persist. .
Eye contact:	Flush eyes with copious amounts of water/eye wash and seek medical advice if any symptoms persist.

Ingestion:	If swallowed wash out mouth with water provided person is conscious. Give water to drink, do not induce vomiting and seek medical advice if any symptoms persist. Show the label.
Are there any specific first aid means or equipment required at the workplace? Yes, Eyewash.	

5. FIRE-FIGHTING MEASURES

General:	This product is not flammable
Suitable extinguishing media:	Fine Spray, Foam, Dry Agent, CO2 according to surrounding material.
Special exposure hazards:	Combustion products: Nitrogen Oxides (NOx) and Oxides of Carbon.
Special protective equipment for firefighters:	<u>Breathing Apparatus.</u> Fire Kit. (Water and other fire-fighting media should be prevented from entering the aquatic environment)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid skin/eye contact. Do not drink. Spills may prove slippery, proceed with caution.
Environmental precautions:	Keep away from water courses, ground water and sewage systems.
Clean up methods:	For large spills contain with inert absorbent material and recover into sealed containers. For small spills mop up with absorbent materials. In both cases dispose of according to national/local regulations.

7. HANDLING AND STORAGE

Handling:	Wear appropriate personal protective equipment.
Storage:	Keep from heat, sparks and open flames. Keep in suitable closed containers in a well ventilated environment. Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values:	Denatonium benzoate None established Polyaminopropyl biguenide None established
Occupational exposure controls:	General: Do not expose users to spray or mist. Do not ingest. Respiratory protection: Filtration for organic sprays/mists. Hand protection: Nitrile or PVC. Eye protection: Safety glasses, goggles or full face Skin protection: PVC apron or suit according to working conditions.
Environmental Exposure Controls:	Do not feed or bleed into water courses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colourless liquid	RD:	1
Odour:	Faint odour	Water solubility:	Miscible
pH:	6-7	Oxidising:	No
Flammability:	Not flammable	Foaming:	No

10. STABILITY AND REACTIVITY

Condition to avoid:	Product is stable at room temperatures. Avoid high temperatures.
Materials to avoid:	Alkalis, strong oxidising agents and anionic compounds.
Hazardous decomposition products:	None under normal conditions of storage and use. (See Section 5 for thermal decomposition products.)

11. TOXOLOGICAL INFORMATION

Effects:	Denatonium benzoate LD50: 584 mg/kg [Oral - Rat] Polyaminopropyl biguenide LD50: >2000 mg/kg [Oral - Rat]
Routes of exposure:	Inhalation Ingestion Skin contact Eye contact
CMR Effects:	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Denatonium benzoate None listed Polyaminopropyl biguenide LC50: 8 mg/litre, 96hrs [Rainbow trout] EC50: 0.18-0.45 mg/litre, 48hrs [Daphnia] (Toxic to fish and other aquatic organisms. Toxic effects on activated sludge organisms are possible)
Mobility:	Transportation to groundwater and water courses: water soluble.
Persistence and degradability	Slowly biodegradable.
Bioaccumulative potential:	No evidence of bioaccumulation - all constituents.

13. DISPOSAL CONSIDERATIONS

Residues:	None known.
Safe handling:	In sealed, correctly marked containers.
Appropriate methods of disposal:	According to all local regulations.

14. TRANSPORT INFORMATION

Modal Regulations:	ADR/RID - NOT CLASSIFIED FOR CARRIAGE
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15. REGULATORY INFORMATION

Health, Safety & Environmental information shown on the label according to 'Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4):	See para. 16 (below)
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16. OTHER INFORMATION

Classification:	Irritant
Symbol:	Xi
Risk Phrases:	R36 - Irritating to eyes.
Safety Phrases:	S (1/2) - Keep locked up and out of reach of children. S39 - Wear eye/face protection. S 23 - Do not breathe spray. S 24/25 - Avoid contact with skin and eyes S 45 - In case of accident, or if you feel unwell, seek medical advice immediately and show the label where possible.
Training advice:	All users/operatives should be fully familiarized with the contents of this SDS, with specific reference to the R & S phrases and sections 11, 12 & 13 above.
Sources of key data used in the compilation of this Safety Data Sheet.	Health, Safety & Environmental information shown on the label according to 'Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4). ADR/RID DIRECTIVE 98/8/EC Safety Data Sheets as supplied by the manufacturers of specific components
Disclaimer:	<i>The information above is believed to be accurate and represents the best information currently available to us. However, we make no other warranty, express or implied, with respect to the merchantability/efficacy or to the properties, uses, methods of use, disposal, packaging and transportation of this product other than itemized in this Safety Data Sheet and assume no liability resulting from such. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event will BioLink Limited, nor its heirs or successors if any such, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if BioLink Limited has been advised of the possibility of such damages.</i>

