

****IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY BUSINESS****

1. PRODUCT NAME:- **POULTRY-SHIELD**
SUPPLIED BY:- **BIOLINK LTD**
UNIT 2 ,BECKLANDS PARK INDUSTRIAL ESTATE
MARKET WEIGHTON, YORK YO 43 3GA TEL 44 (0)1430 876611 FAX 44 (0)
1430 876622

****COMPOSITION/INFORMATION ON INGREDIENTS****

2. MATERIAL :-	CAS No	EEC No	RISK PHRASES
PROPRIETARY AQUEOUS PREPARATION CONTAINING A BLEND OF CATIONIC, AMPHOTERIC, & NONIONIC SURFACE ACTIVE AGENTS & WATER CONDITIONERS WITH/WITHOUT PERFUME.			
QUATERNARY AMMONIUM COMPOUND .	N/K	N/K	R34/22
POLYBIGUANIDE HYDROCHLORIDE.	027083-27-8	N/K	R38/43
PRIMARY FATTY ALCOHOL ETHOXYLATE.	6813-39-5	N/K	R22/36/50

****HAZARD IDENTIFICATION****

3. AQUEOUS DETERGENT SYSTEM WHICH MAY HAVE SOME DEFATTING ACTION ON THE SKIN. HAZARDOUS MATERIAL PRESENT AT A SIGNIFICANTLY LOW LEVEL THUS RENDERING THE PREPARATION LOW HAZARD.

****FIRST AID MEASURES****

4. A). INHALATION :-	NOT APPLICABLE IN NORMAL OPERATIONS, BUT AS A PRECAUTION REMOVE TO FRESH AIR.
B). SKIN :-	WASH OFF WITH SOAP AND WATER AND RINSE OFF.
C) EYES :-	FLUSH WITH CLEAN WATER FOR 10 MINUTES . IF IRRITATION PERSISTS OBTAIN MEDICAL ATTENTION
D) INGESTION :-	WASH OUT MOUTH WITH WATER AND GIVE WATER OR MILK TO DRINK TO DILUTE, DO NOT INDUCE VOMITING.

****FIRE FIGHTING MEASURES****

5. A). PREPARATION IS NOT FLAMMABLE :-	ADVICE BELOW REFERS TO FIRES ON PREMISES WHERE PRODUCT IS USED/STORED.
B). EXTINGUISHING MEDIA :-	CARBON DIOXIDE, FOAM, DRY POWDER AND WATER FOG.
C). THERMAL DECOMPOSITION PRODUCTS :-	CO, CO2, OXIDES OF NITROGEN AND SODIUM.
D). SPECIAL EQUIPMENT ETC :-	WEAR SELF CONTAINED BREATHING APPARATUS.

****ACCIDENTAL RELEASE MEASURES****

6. DILUTE AND FLUSH VERY SMALL AMOUNTS TO FOUL SEWER. NOTE :- CONSENT TO DISCHARGE TRADE EFFLUENT INTO THE FOUL SEWER MUST BE OBTAINED FROM LOCAL WATER AUTHORITY/COMPANY. COLLECT UP IN LARGE CONTAINER QUANTITIES AND/OR ABSORB IN SOIL OR SAND AND PLACE IN A SUITABLE PLASTIC OR STEEL CONTAINER FOR SUBSEQUENT DISPOSAL TO AN APPROVED SITE. WASH DOWN SPILL AREA WITH PLENTY OF WATER. WEAR SUITABLE INDUSTRIAL WORKWEAR, IMPERVIOUS GLOVES AND EYE/FACE PROTECTION.

****HANDLING AND STORAGE****

7. KEEP CONTAINER CLOSED WHEN NOT IN USE, STORE UNDER NORMAL CONDITIONS AVOID CONTACT WITH PREPARATION. AVOID CONTACTS WITH CONCENTRATE. WEAR SUITABLE INDUSTRIAL/INSTITUTIONAL WORKWEAR. KEEP AWAY FROM FOODSTUFFS.

****EXPOSURE CONTROL/PERSONAL PROTECTION****

8. A). EXPOSURE :-	NO EXPOSURE LIMITS QUOTED.
B). PROTECTION MEASURES :-	ADOPT GOOD STANDARDS OF INDUSTRIAL HEALTH AND HYGIENE PRACTICES. ALTHOUGH HIGHLY DILUTED IS NOT CLASSIFIED AS HAZARDOUS, MISTS MAY BE ANNOYING THEREFORE ADEQUATE VENTILATION IS RECOMMENDED. WHERE THIS IS NOT AVAILABLE, LOCAL MECHANICAL EXHAUST IS RECOMMENDED AND/OR USE SUITABLE RESPIRATORS FOR MISTS PARTICULATES. WEAR SUITABLE INDUSTRIAL/INSTITUTIONAL WORKWEAR.

****PHYSICAL AND CHEMICAL PROPERTIES****

9. A). APPEARANCE :-	CLEAR COLOURESS LIQUID	B). SPECIFIC GRAVITY :-	1.03	C). PH (NEAT):-	12.3 APPROX
D). BOILING POINT :-	APPROX 100C	E). FREEZING POINT:-	0c	F). FLASH POINT :-	N/A
G). VAPOUR PRES (MMHG) :-	AS WATER	H). SOL/MISC :-	SOLUBLE	I). % VOLATILE :-	8.5%

Safety Data Sheet Poultry-Shield Continued

****Stability AND Reactivity**

- | | |
|---------------------------------------|--|
| 10. A). STABILITY :- | STABLE. |
| B). HAZARD DECOMPOSITION PRODUCTS :- | CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CHLORIDE, OXIDES OF NITROGEN. |
| C). MATERIALS TO AVOID :-
ANIONICS | IN USE CATIONIC BACTERIACIDES NEUTRALISED BY SOAP AND OTHER SURFACE ACTING AGENTS. |

****TOXICOLOGICAL INFORMATION****

- | |
|---|
| 11. MISTS MAY CAUSE ANNOYANCE TO EYES, BY INHALATION AND THERE MIGHT BE SOME IRRITATION TO SENSITIVE SKINS. FROM LITERATURE, THOUGHT TO BE OF LOW TOXICITY. |
|---|

****ECOLOGICAL INFORMATION****

- | | |
|-------------------------|---|
| 12. A). MOBILITY :- | SOLUBLE IN AQUEOUS SYSTEM. |
| B). AQUATIC TOXICITY :- | MAYBE DETRIMENTAL DUE TO SURFACE ACTIVE EFFECTS. |
| C). DEGRADABILITY :- | POLYBIGUANIDE SLOWLY BIODEGRADABLE IN WATER. |
| D). BIOACCUMULATION :- | PREDICTED TO HAVE LOW POTENTIAL FOR BIOACCUMULATION. CATIONIC SUBSTANCES ARE REGARDED TO BE EFFECTIVELY REMOVED IN WASTE WATER TREATMENT PROCESSES BY COMPLEX FORMULATION AND ABSORPTION. |

****DISPOSAL CONSIDERATIONS****

- | |
|--|
| 13. PREPARATION VIA AN AUTHORISED WASTE DISPOSAL CONTRACTOR TO APPROVED WASTE DISPOSAL SITE, OBSERVING ALL LOCAL AND NATIONAL REGULATIONS. |
|--|

****TRANSPORTATION****

- | | | | |
|---------------------|---------------|------------------------------|---------------|
| 14. A). U.N. No :- | NOT REGULATED | B). PRIMARY HAZARD :- | NOT REGULATED |
| C). PACKAGING GP :- | NOT REGULATED | D). HAZARD I.D. No :- | NOT REGULATED |
| E). CLASS :- | NOT REGULATED | F). ADR/RID ITEM No :- | NOT REGULATED |
| G). HAZCHEM :- | NOT REGULATED | H). EMERGENCY ACTION CODE :- | NOT REGULATED |

****REGULATORY INFORMATION****

- | | |
|---------------------------------|--|
| 15. A). SUPPLY LABEL DETAILS :- | REF CHIP 98 (REVISED). |
| B). LABEL NAME :- | POULTRY-SHIELD CONCENTRATE. |
| C). SYMBOL :- | CLASSIFIED AS IRRITANT UNDER CHIP 98 (REVISED DEC 99) REGULATIONS. |
| D). RISK & SAFETY PHRASES :- | AS DECLAIRED. |

****OTHER INFORMATION****

- | | |
|------------------------------|--|
| 16. A). VOLUNTARY PHRASES :- | |
| 1). | NOT CLASSIFIED UNDER CHIP 98 (REVISED DEC 99) REGULATIONS. |
| 2). R36/38 | IRRITANT IF NORMAL STANDARDS OF INDUSTRIAL HYGIENE ARE OBSERVED. |
| 3). S2 | KEEP OUT OF THE REACH OF CHILDREN. |
| 4). S26 | EYE CONTACT :- WASH WITH PLENTY OF WATER. |