

SAFETY DATA SHEET PRO CONTROL FIK D319 1.00 GB New

PRODUCT AND COMPANY IDENTIFICATION

Product Code D319

Trade Name PRO CONTROL FIK

Manufacturer/Supplier AgrEvo UK Ltd

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UK

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2. COMPOSITION/INFORMATION ON THE COMPONENTS Hazardous Components in Product for EC

Component Name Concentration R Phrases Classification

1. PERMETHRIN 25:75 0.20 R22, R50153 Xn, N
2. BIOALLETHRIN 0.57 R20122, R50, R53 Xn, N
3. PIPERONYL BU'FOXJDE 1.43 R51M N

HAZARD IDENTIFICATION

Main Hazards Flammable.

Pressurised container, heating will cause pressure rise with risk of bursting.

Toxic to **fish** and other aquatic life

Asphyxiant at high concentrations

Health Effects - Eyes Liquid, mist or vapour at high concentrations **May** cause conjunctival irritation.

Health Effects - Skin Material **may** causeslight irritation on prolonged or repeated contact.

Health Effects - Ingestion Swallowing may have the following effects:- dizziness, drowsiness , headache , diarrhoea , nausea , vomiting . Aspiration during swallowoing or vomiting may severely damage the lungs.

Health Effects - Inhalation Exposure to vapour at high concentrations may have the following effects:-

irritation of nose, throat and respiratory tract

4. FIRST AID MEASURES

First Aid - Eyes Immediately flood the eye with plenty of water for at least **15** minutes, holding the eye open. Obtain medical attention.

First Aid - Skin Wash skin thoroughly With soap and water. Remove contaminated clothing as washing proceeds. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention.

First Aid - Ingestion Wash out mouth With water. Do not induce vomiting. Do not give anything to eat or drink. Keep warm and at rest. Obtain medical attention.

First Aid - Inhalation Following more than incidental inhalation. Remove from exposure. Ensure airway is clear. If breathing stops or shows signs of failing, give artificial respiration. Keep warm and at rest. Obtain medical attention urgently.

Advice to Physicians Treat symptomatically, and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing Media Use foam, dry chemical or carbon dioxide. Keep containers and surroundings cool With water spray.

Unsuitable Extinguishing Media Do not use water jet.

Special Hazards of Product This product may give rise to hazardous fumes in a fire. Aerosol dispensers may explode / become projectile in heat of fire. DO NOT release contaminated water into the environment.

Protective Equipment for Fire- Wear full protective clothing and self-contained breathing

Fighting apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions The nature of this product makes spillage extremely unlikely. Consider need for evacuation.

Ventilate spillage area and eliminate sources of ignition. Wear appropriate protective clothing. Refer to 'Personal Protection' in Section 8 below.

Environmental Precautions Try to prevent the material from entering drains or water courses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

Spillages Spillages Will create a fire hazard.

The nature of this product makes spillage extremely unlikely. Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. See Section 13) Decontaminate spillage site thoroughly.

7. HANDLING AND STORAGE

Handling Adequate ventilation should be provided if there is risk of

vapour build-up. Avoid contact With eyes, skin and clothing.

7. HANDLING AND STORAGE

Avoid ingestion and inhalation. If exposure is possible, refer to Section 8. Wash hands and exposed skin after work and before meals. Do not breathe spray. Do not pierce or bum when empty.

Storage Storage area should be: cool , dry , well ventilated , out of

direct sunlight. Store away from sources of heat or ignition. Keep out of reach of children . Storage temperature should be kept below 50 OC.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION Occupational Exposure Standards**

9. **1. PERMETHRIN 25:75** An exposure limit of Smg/m3 is recommended.

2. **BIOALLETHRIN N/A**

3. **PIPERONYL BUTOXIDE N/A**

Engineering Control Measures Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.

Respiratory Protection Respiratory protection not normally required.

Respiratory protection if there is risk of uncontrolled exposure

to aerosols. The following protection is recommended:

EN141 A1 P2

Hand Protection In normal use: None.

In bulk use: Nitrile rubber gloves. Neoprene gloves.

Eye Protection In normal use: Not applicable.

In bulk use: Chemical goggles or face shield.

Body Protection In normal use: Not applicable.

In bulk use: Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Aerosol dispenser

Odour Hydrocarbon.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Conditions to Avoid Temperatures in excess of 50 OC.

Exposure to direct sunlight.

Static discharge.

Hazardous Decomposition Combustion Will generate: oxides of carbon , initiating fumes

Products , toxic fumes, flammablegases.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data given in this section are for the active ingredient(s)

Bioallethrin

Oral LD50 (rat) 709-1042mg/kg

Dermal LD50 (rabbit) >3000mg/kg

Inhalation LC50 (rat) 2.51mg/L

Permethrin

Oral LD50 (rat) 1479-4672mg/kg

Dermal LD50 (rat) >2000mg/kg

Inhalation LC50 (rat) >0.02mg/L (96hr)

Piperonyl Butoxide

Oral LD50 (rat) 5630mg/kg

Dermal LD50 (rabbit) >2000mg/kg

Inhalation LC50 (rat) >5.9mg/L

Results from product toxicity tests:

Inhalation LC50 (rat) >138mg Airtre/4h.

Irritancy - Eyes The amount of irritative component in the product is insufficient to warrant labelling as an eye irritant.

Irritancy - Skin The amount of irritative component in the product is insufficient to warrant labelling as a skin irritant.

Skin Sensitisation No known reports of skin sensitisation.

Possible Product Symptoms In contact With eyes:- transient eye irritation

In contact With skin:- transient skin irritation

In case of ingestion:- burning sensations in the mouth

nausea, vomiting, dizziness, headache

In case of inhalation:- Symptoms mainly as for ingestion plus upper airway irritation

12. ECOLOGICAL INFORMATION

Mobility Do not contaminate ponds, ditches or waterways With the product or used containers

Persistence/Degradability The product is expected to be readily biodegradable.

Bio-accumulation Product is not expected to bioaccumulate.

Ecotoxicity Data given in this section are for the active ingredient(s) Bioallethrin

Tests gave a 96 hr LC50 of 0.0094mg/L for Salmon, 0.0097mg/L for Trout and 0.027mg/L for Catfish Tests gave a 48 hr EC50 of 0.0356mg/L for Daphnia

Permethrin

Tests gave a 96 hr LC50 of 0.01 9mg/L for Trout and 0.032mg/L for Sunfish

Tests gave a 48 hr EC50 of 0.002mg/L for Daphnia

Piperonyl Butoxide

Tests gave a 96 hr LC50 of 6.12mg/L for Trout and 5.37mg/L for Sunfish

Tests gave a 48 hr EC50 of 0.51mg/L for Daphnia

13. DISPOSAL

Product Disposal Ensure aerosol dispenser is empty before disposal. . Do not pierce or bum even when empty. . If container cannot be emptied contact local waste authority for advice. . Dispose of in accordance With all applicable local and national regulations.

(eg EC Directive 911689/EEC).

Container Disposal Dispose of containers as above.

14. TRANSPORT INFORMATION

UN Number 1950

ADPJRID Substance Identification 1950

Number

ADRIRID - Description Aerosol dispensers

ADRIRID - Class 2

ADRIRID - Item No. 1.0- (b) 2

ADRIRID - Hazard Identification Not applicable.

Number

IMDG - Proper Shipping Name Aerosols

IMDG - Class 9

IMDG - Ems Number 2-13

IMDG - MFAG Table Number 310

ICAO - Proper Shipping Name Aerosols, flammable, n.o.s.

ICAO - Class 2, Division 2.1

15. REGULATORY INFORMATION

Labelling Information E1 Flammable

R phrases R10 - Flammable.

S phrases S2 - Keep out of reach of children. S23 - Do not breathe gas/ fumes/vapour/spray.

Safety advice is given Within Section 16.

Refer to any relevant national / international legislation for the protection of man and the environment.

16. OTHER INFORMATION

MSDS first issued

MSDS data revised

Uses and Restrictions For use only as specified on the label.

For use only as : Pesticides.

Footnote 0 - Trade Mark

TWA - Time weighted average

EH40 - List of occupational exposure limits set by UK Health & Safety Executive

OES - Occupational exposure standard

Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. When using do not eat drink or smoke. This product and its container must be disposed of in a safe way. If you feel unwell seek medical advice (show label where possible).

Safety information is available on request for: Esbiol , Permethrin , Piperonyl Butoxide

Disclaimer

The information provided in this safety data sheet is supplied in good faith and is accurate at the date of publication. The intention is to give sufficient information about the product and its properties to enable the user to formulate his own procedures for the safe use of the product in terms of health and safety of all concerned and the protection of the environment. The information Will be updated as and when appropriate. It is not a specification of the product nor does it list its uses, for which the label on the container should be carefully studied. In compiling the safety data sheet due account has been taken of all proper and recommended applications of the product of which we are aware and any user must consult us before applying it to any novel or unusual use. The company accepts no responsibility unless the product is used as recommended.