

Label number CLP15-041

[®]**Phostoxin**

MAFF 09315

For the control of Rats, Rabbits and Moles in outdoor burrows.

ACTIVE INGREDIENT: Aluminium Phosphide 56% w/w.

Contents: approx. 30x3g tablets Net weight approx. 90g e

Rentokil Initial Supplies, Liverpool, L33 7SR Product Advice Line: 01515485050 Emergency Line: 01342 833 022

Risk and Safety Information



UN 1397
ALUMINIUM PHOSPHIDE
MIXTURE



Danger

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Label
authorised
for printing
by Dawn
Kirby
16/04/2015

CONTENTS

Pages 1 - 8 contain the product label,

Pages 9 - 23 contain the product Safety Data Sheet.

USE BIOCIDES AND PLANT PROTECTION PRODUCTS SAFELY.

ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

MISUSE OF THIS PRODUCT CAN BE FATAL.

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Risk and Safety Information

Fatal if swallowed

Toxic in contact with skin

Fatal if inhaled

Causes serious eye damage.

In contact with water releases flammable gases which might ignite spontaneously

Very toxic to aquatic life.

Contact with water liberates toxic gas. Contact with acids liberates very toxic gas. Keep away from any possible contact with water, because of violent reaction and possible flash fire. Protect from moisture. Keep only in original container. Keep cool. Do not breathe dust. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Wear suitable respiratory equipment such as a full face respirator with appropriate gas filter cartridge (which also meets P3 standards for particulates) or SCBA. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Call a POISON CENTRE or doctor/physician if you feel unwell. Specific treatment see first aid on this label. Brush off loose particles from skin. In case of fire use carbon dioxide (CO₂), dry sand to extinguish. Store in a dry place. Store in a closed container. Store in a well ventilated area. Store locked up. Dispose of contents/container to an approved waste disposal plant.

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This product is approved under the Control of Pesticides Regulations 1986 (as amended). The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

Important: The Poisons Act 1972 applies to this product.

SAFETY PRECAUTIONS:

Operator Protection: Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when opening container, handling and placing the tablets, (i.e. full face respirator with appropriate gas filter cartridge (which also meets P3 standard for particulates) or RPE offering equivalent protection). However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. TO BE USED ONLY BY AN OPERATOR INSTRUCTED OR TRAINED IN THE USE OF ALUMINIUM PHOSPHIDE and familiar with the precautionary measures to be observed. See HSE Guidance Note AIS22: Gassing of rabbits and vertebrate pests of HSG251: Fumigation. IN CONTACT WITH WATER RELEASES FLAMMABLE GASES WHICH MIGHT IGNITE SPONTANEOUSLY. DO NOT USE IN WET WEATHER. OPEN CONTAINER IN A WELL VENTILATED SPACE.

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DO NOT TREAT BURROWS LESS THAN 10 METRES FROM ANY BUILDING OCCUPIED BY MAN OR ANIMALS. DO NOT RE-USE CONTAINER for any purpose. WHEN USING DO NOT EAT DRINK OR SMOKE. AVOID ALL CONTACT BY MOUTH. EXTINGUISH ALL NAKED FLAMES. DO NOT BREATHE GAS. WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

Environmental Protection: DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container. Badgers are protected animals: Setts must not be gassed. Aluminium phosphide must not be used if there are active badger setts/fox earths in the treatment area. Care must be taken to avoid gassing non-target animals. Badgers and polecats are protected under the Wildlife and Countryside Act 1981 and may use rabbit burrows. Avoid using Phostoxin in burrows or warren systems where there is evidence of current badger or fox activity or where such systems may be connected to an active sett or earth. Reptiles and the natterjack toad are also protected under the Wildlife and Countryside Act 1981; if these are likely to be present in the burrows, consult Natural England, Scottish Natural Heritage or the Countryside Commission for Wales, as appropriate, before using Phostoxin. Most bird species are protected under the Wildlife and Countryside Act 1981. Do not use Phostoxin in areas and at times of year when adult or juvenile puffins, shearwaters or petrels are occupying burrows; do not use in burrows that may be occupied by other hole-nesting birds such as wheat-ears or shelduck.

DO NOT USE ADJACENT TO WATERCOURSES. TABLETS SHOULD NEVER BE PLACED OR ALLOWED TO REMAIN on the ground surface. SEARCH FOR RODENT BODIES AND DISPOSE OF SAFELY (e.g. bury). Do not dispose of in refuse sacks or on open rubbish tips

Storage and use: KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP OUT OF THE REACH OF CHILDREN. Empty container completely using the method described under the heading "Waste Treatment Methods" below and dispose of safely in accordance with instructions given under the heading "Product / Packaging disposal". KEEP IN ORIGINAL CONTAINER, tightly closed under lock and key in a cool, well ventilated place away from dwellings. USE ALL CONTENTS OF FLASK. EMPTY FLASKS CAN BE RESEALED ONLY FOR TRANSPORT TO WASTE STORAGE AREA. DO NOT STORE OR RESEAL PART USED FLASKS.

Important Information:

FOR USE ONLY IN RAT RABBIT AND MOLE CONTROL BY PERSONS INSTRUCTED OR TRAINED IN THE USE OF ALUMINIUM PHOSPHIDE. Situations: All situations (outdoor use only, animal runs/burrows).

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.

Waste treatment methods: All pesticides must be disposed of as hazardous waste. Never wash out empty flasks with water. Once pest control activity has been completed, ensure that all residues of product are removed. Empty the flask completely at site of use by upending and tapping the flask so that any remaining powder residue is deposited in the treatment burrow or run. Check that the flask is visibly empty. If residue remains, repeat upending and tapping until fully removed. Ensure that the empty flask is kept dry. Tap out any residues from the applicator at the site of use as for the flasks. Disposal of waste flasks: Handle and store empty flasks as if they still contained product. Flasks must never be rinsed or cleaned. Screw the cap back onto the empty flask loosely (this action should only be carried out prior to transporting to designated storage area, flask should NOT be re-capped if they still contain tablets, ensure that all product is used during the pest control treatment), this will help to ensure any gas generated within the flask during transport from the treatment area is contained. Place the flask into a suitable bag. Label the bag and place the written confirmation that the waste treatment methods have been completed, date and sign. Seal the bag using tie wraps. Once at designated storage area and prior to waste collection, whilst wearing a full-face respirator with appropriate gas filter cartridge (which meets P3 standard for particulates) or SCBA (contact your PPE supplier for advice on suitable PPE and RPE) and whilst wearing suitable gloves and skin protection such as rubber/PVC gloves and coveralls, remove the flask from the sealed bag. Remove caps, taking care and pointing flask away from face and other people, as any generated gas may be present. Invert the flasks on a mesh shelf in a secure caged area until all gas has vented from the flask. We recommend venting the flask for 48 hours. Once venting is complete, re-cap flask and replace into and seal the plastic bag. Record on the written confirmation that the flasks have been vented. Store in a designated secure storage area until collection by a licensed waste-disposal contractor. The written confirmation should include the name of the waste disposal contractor and the date they were contacted to collect the flask.

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DIRECTIONS FOR USE: IMPORTANT This information is approved 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 ALL CONTENTS OF FLASK. DO NOT RE-SEAL. WARNING: Spontaneous combustion can arise due to a sudden release of phosphine gas if a flask having been opened is then re-opened. FOR RAT AND RABBIT CONTROL: Before treatment drive any target animals on the surface into burrows. Wearing appropriate protective clothing and using a Phostoxin Applicator, place 1-2 Phostoxin tablets into each burrow and seal securely with thick turf. For best results repeat treatments may be required, Revisit sites 4-7 days after treatment and re-treat any fresh or re-opened burrow entrances. FOR MOLE CONTROL: Locate runs around molehills using a dibber. Wearing appropriate protective clothing, place 1-2 Phostoxin tablets into these runs using a Phostoxin Applicator and plug the hole with soil. After treatment flatten any molehills. For best results repeat treatments may be required. Revisit sites 4-7 days after treatment and re-treat where there are signs of continued activity.

GUIDE TO DOCTOR: Treatment for suspected poisoning should be symptomatic and supportive care. For further information contact your local National Poisons Information Centre. IF SWALLOWED; Immediately call a POISON CENTRE or doctor/physician. Call a POISON CENTRE or doctor/physician if you feel unwell.

COMPANY ADVISORY INFORMATION*:

DISPOSAL OF EMPTY CONTAINERS: DO NOT RINSE. Do not keep inside buildings. Disposal must be in accordance with the relevant Approved Code of Practice.

Please refer to HSE Guidance Note AIS22: Gassing of rabbits and vertebrate pests.

*This section does not form part of the product label under the Control of Pesticides Regulations 1986 (as amended).

Manufacturer Detia Freyberg GmbH Label No. CLP15-041

For a copy of a full size Safety Data Sheet, contact Rentokil Initial Supplies,

Liverpool, L33 7SR. Product Advice Line: 0151 548 5050

Emergency Line: 01342 833022

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Safety Data Sheet according to Regulation (EC) No. 453/2010 Version 17

Section 1: Identification of substance/mixture and of company/undertaking

1.1 Product identifier PHOSTOXIN **1.2 Relevant identified uses of the substance or mixture and uses advised against** **1.2.1**

Relevant identified uses A vertebrate control agent for professional use. Spherical tablets supplied in an aluminium flask. The phosphine gas, which is produced when the tablets come into contact with moisture has a garlic or carbide odour (although odour is not a reliable indicator of presence). **1.2.2 Uses advised against** No additional information available. **1.3 Details of the supplier of the safety data sheet** Rentokil Initial Supplies Liverpool L33 7SR UK Product advice line: +44 (0)151 548 5050 Email: sds@rentokil.com.

1.4 Emergency telephone number +44 (0)1342 833022 IRELAND (REPUBLIC OF) National Poisons Information Centre Beaumont Hospital PO Box 1297 Beaumont Road Dublin 9 Emergency telephone number +353 1 809 2166 UNITED KINGDOM National Poisons Information Service (Birmingham Centre) City Hospital Dudley Road Birmingham B18 7QH
Emergency telephone number 0870 600 6266 (UK only).

Section 2: Hazard identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [CLP]. For classification, danger symbols and signal words please refer to the label. Classification according to Directive (EC) 67/548/EEC (DSD) or 1999/45/EC (DPD). For classification, danger symbols and indication of danger please refer to the label. Adverse physicochemical,

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human health and environmental effects No additional information available. **2.2 Label elements** For classification, danger symbols and signal words please refer to the label. **2.3 Other hazards** No additional information available.

Section 3: Composition/Information on ingredients

3.1 Substance Not applicable **3.2 Mixture** Aluminum phosphide 56% (CAS No) 20859-73-8 (EC no) 244-088-0 (EC index no) 015-004-00-8 F; R15, R29 T+; R26/28 R32 N; R50 Xn; R21 Water-react. 1, H260 Acute Tox. 2 (Oral), H300 Acute Tox. 3 (Dermal), H311 Acute Tox. 1 (Inhalation: dust,mist), H330 Aquatic Acute 1, H400 (M=100). Aluminium hydroxide (reaction product on contact with moisture) >= 50 % (CAS No) 21645-51-2 (EC no) 244-492-7 Not classified, Phosphine / Hydrogen phosphide (reaction product on contact with moisture) 25-50% (CAS No) 7803-51-2 (EC no) 232-260-8 (EC index no) 015-181-00-1 F+; R12, F; R17 T+; R26 C; R34 N; R50 Flam. Gas 1, H220 Press. Gas Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Aquatic Acute 1, H400, Ammonium Carbamate >= 10 % (CAS No) 1111-78-0 (EC no) 214-185-2 Xn; R22 Xi; R38 Xi; R41 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Ammonia (reaction product on contact with moisture) 2.5 – 10 % (CAS No) 7664-41-7 (EC no) 231-635-3 (EC index no) 007-001-00-5 Not classified (67/548/EEC) Flam. Gas 2, H221 Compressed gas, H280 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation: gas), H331 Skin Corr. 1A, H314 Aquatic Acute 1, H400

Section 4: First Aid Measures

4.1 Description of first aid measures First-aid measures after inhalation Do not enter contaminated atmosphere,

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otherwise wear self contained breathing apparatus. Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary. DO NOT give mouth-to-mouth resuscitation. Seek medical advice immediately. First-aid measures after skin contact Remove immediately, brush or shake any residues from clothing and skin in a well-ventilated area. Allow clothes to aerate for a number of hours prior to machine washing. Seek medical advice immediately. First-aid measures after eye contact Rinse immediately with plenty of water. Obtain medical attention. First-aid measures after ingestion Immediately call a POISON CENTER or doctor/physician. **4.2 Most important symptoms, both acute and delayed** Symptoms/injuries MISUSE OF THIS PRODUCT CAN BE FATAL. There is no effective treatment for phosphine poisoning. Less than one sixth of a 3g tablet (0.5g) is a fatal dose for a 70kg human, ingested or inhaled. Phosphine directly inhibits cytochrome oxidase in an action similar to that of cyanide. Symptoms of poisoning include epigastric burning vomiting thirst cardiovascular collapse acidosis and hypokalemia (potassium deficiency). IDLH (Immediately Dangerous to Life and Health) = 50ppm Phosphine. **4.3 Indication of any immediate medical attention and special treatment needed** Further information on all Rentokil Initial formulations is lodged with the local National Poisons Information Service.

Section 5 Fire fighting measures

5.1 Extinguishing media Suitable extinguishing media Sand. Dry powder. Carbon dioxide. Unsuitable extinguishing media Do not use extinguishing media containing water. **5.2 Special hazards arising from the substance or mixture** Fire hazard In case of fire hazardous combustion gases are formed, caustic phosphoric acid aerosols (phosphide pentoxide). **5.3 Advice for fire**

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fighters Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures General measures Wear suitable personal protective equipment.

6.1.1 For non-emergency personnel Protective equipment Wear suitable and use suitable personal protective clothing and equipment including self contained breathing apparatus (SCBA). All clothing and equipment should be machine washed immediately after use.

6.1.2 For emergency responders Protective equipment Wear suitable and use suitable personal protective clothing and equipment including self contained breathing apparatus (SCBA). All clothing and equipment should be machine washed immediately after use.

6.2 Environmental precautions Avoid release to the environment. Notify authorities if product enters sewers or public waters. **6.3**

Methods and material for containment and cleaning up Evacuate the spillage area and ensure the area is well ventilated. Wear and use suitable protective clothing and equipment using SCBA. Prevent dispersion. Clean up the remainder carefully. DO NOT USE WATER FOR CLEANING. The area should be kept secure and aerated until checked for zero gas concentration using appropriate gas sampling equipment. Remove as hazardous waste according to National or local legislation **6.4 Reference to other sections** See also sections 8 and 13.

Section 7: Handling and storage

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7.1 Precautions for safe handling Precautions for safe handling Open the flask outdoors immediately before use and ensure it is pointing away from you. Read the product label carefully for further instructions about handling and usage. **7.2 Conditions for safe storage including any incompatibilities** Storage conditions Store in original flask in a cool dry ventilated place out of reach of children and away from food drink and animal feeding stuffs. USE ALL CONTENTS OF THE FLASK. DO NOT RE-SEAL. Spontaneous combustion can arise due to sudden release of phosphine gas if a flask having been opened once is then re-opened. **7.3 Specific end use(s)** No additional information available

Section 8 Exposure Control/personal protection

8.1 Control parameters Ammonia (reaction product on contact with moisture) (7664-41-7) Ammonia, anhydrous EU IOELV TWA (mg/m³) 14 mg/m³ EU IOELV TWA (ppm) 20ppm EU IOELV STEL (mg/m³) 36 mg/m³ EU IOELV STEL (ppm) 50 ppm Ireland OEL (8 hours ref) (mg/m³) 14 mg/m³ Ireland OEL (8 hours ref) (ppm) 20 ppm Ireland OEL (15 min ref) (mg/m³) 36 OEL mg/m³ Ireland OEL (15 min ref) (ppm) 50 ppm Notes (IE) IOELV UK WEL TWA (mg/m³) 18 mg/m³ UK WEL TWA (ppm) 25 ppm WEL STEL (mg/m³) 25 mg/m³ UK WEL STEL (ppm) 35 pm Iceland Notes (IS) H Aluminium phosphide (20859-73-8) Phosphine EU IOELV TWA (mg/m³) 14 mg/m³ EU IOELV STEL (mg/m³) 0.28mg/m³

8.2 Exposure controls Appropriate engineering controls Where exposure may occur, engineering controls, rather than the provision of Personal Protective Equipment (PPE) should be employed. On completion of a risk assessment, the following PPE may be

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required: Hand protection Wear gloves Eye Protection When opening the flask, point away from face and other people. Wear a full-face respirator with appropriate filter cartridge (which also meets P3 standard for particulates) or SCBA (Contact your PPE supplier for advice on suitable PPE and RPE). Skin and body protection Wear suitable protective clothing. Respiratory protection Suitable respiratory protective protection such as a full face respirator with appropriate filter cartridge (which also meets P3 standard for particulates) or SCBA (Conatct your PPE supplier for advice on suitable PPE and RPE). Environmental exposure controls Avoid release to the environment. Refer to special instructions/safety data sheets.

Section 9 Physical and Chemical Properties

9.1 Information on basic physcial and chemical properties Physical state solid Colour grey Odour garlic-like Odour threshold pH No data available Relative evaporation rate (butylacetate=1)No data available Melting point No data available Freezing point No data available Boiling point -87.4 °C Phosphine No data available Flash point No data available Auto-ignition temperature No data available Decomposition temperature No data available Flammability (solid, gas) Extremely flammable gas Vapour pressure No data available Relative vapour density at 20 °C 1.2 Phosphine Relative density No data available Density 2.3 g/cm³ aluminium phosphide Solubility No data available Log Pow No data available Viscosity, kinematic No data available Viscosity, dynamic No data available Explosive properties No data available Oxidising properties No data available Explosive limits 1.79 - 1.89 vol % Hydrogen phosphide

9.2 Other information No additional information available

Section 10 Stability and reactivity

10.1 Reactivity Highly reactive when in contact with water or acids, produces extremely flammable and very toxic hydrogen phosphide (phosphine), ammonia and carbon dioxide. **10.2 Chemical stability** Avoid contact with water and acids as this will cause aluminium phosphide to decompose in a violent reaction into extremely flammable and very toxic hydrogen phosphide ammonia and carbon dioxide. **10.3 Possibility of hazardous reactions** Avoid contact with water and acids as this will cause aluminium phosphide to decompose in a violent reaction into extremely flammable and very toxic hydrogen phosphide ammonia and carbon dioxide. **10.4 Conditions to avoid** Avoid contact with water acids and ambient humidity. Phosphine gas is considered to be corrosive to copper copper alloys silver and gold. **10.5 Incompatible materials** Avoid contact with water and acids as this will cause aluminium phosphide to decompose in a violent reaction into extremely flammable and very toxic hydrogen phosphide ammonia and carbon dioxide. **10.6 Hazardous decomposition products** Hydrogen phosphide, phosphoric pentoxide and phosphoric acid.

Section 11 Toxicological Information

11.1 Information on toxicological effects Acute toxicity Fatal if swallowed. Toxic in contact with skin. Fatal if inhaled.

PHOSTOXIN LD50 oral rat 8.7 mg/kg Aluminium phosphide LD50 oral 11.5 mg/kg For product LD50 dermal rat 500 - 1000 mg/kg

Aluminium phosphide LC50 inhalation rat (mg/l) 0.015 mg/l/4h Hydrogen phosphide (phosphine) LC50 inhalation rat (ppm) 11 ppm/4h
 Hydrogen phosphide (phosphine) ATE CLP (oral) 8.700 mg/kg bodyweight ATE CLP (dermal) 500.000 mg/kg bodyweight ATE CLP (gases) 11.000 ppmv/4h ATE CLP (vapours) 0.015 mg/l/4h ATE CLP (dust,mist) 0.015 mg/l/4h Ammonia (reaction product on contact with moisture) (7664-41-7) LC50 inhalation rat (ppm) 2000 ppm/4h ATE CLP (gases) 2000.000 ppmv/4h ATE CLP (vapours) 3.000 mg/l/4h ATE CLP (dust,mist) 0.500 mg/l/4h Aluminium phosphide (20859-73-8) LD50 oral 8.7 mg/kg LD50 dermal 900 mg/kg ATE CLP (gases) 5.000 mg/kg bodyweight ATE CLP (vapours) 300.000 mg/kg bodyweight ATE CLP (dust,mist) 0.005 mg/l/4h Ammonium Carbamate (1111-78-0) LD50 oral 681 - 1470 mg/kg ATE CLP (oral) 500.000 mg/kg bodyweight Phosphine / Hydrogen phosphide (reaction product on contact with moisture) (7803-51-2) ATE CLP (gases) 100.000 ppmv/4h ATE CLP (vapours) 0.500 mg/l/4h ATE CLP (dust,mist) 0.500 mg/l/4h Skin corrosion/irritation Not classified Serious eye damage/irritation Causes serious eye damage. Respiratory or skin sensitisation Not classified Germ cell mutagenicity Not classified Carcinogenicity Not classified Reproductive toxicity Not classified Specific target organ toxicity (single exposure) Not classified Specific target organ toxicity (repeated exposure) Not classified Aspiration hazard Not classified

Section 12 Ecological information

12.1 Toxicity PHOSTOXIN LC50 fishes 1 0.0097 ppm EC50 Daphnia 1 0.2 mg/l Ammonia (reaction product on contact with moisture) (7664-41-7) LC50 other aquatic organisms 1 25.4 mg/l Aluminium phosphide (20859-73-8) LC50 fishes 1 0.0097 ppm

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12.2 Persistence and degradability PHOSTOXIN Persistence and degradability Phosphine decomposes in the atmosphere within 5-28h. **12.3 Bioaccumulative potential** PHOSTOXIN Bioaccumulative potential This product is not expected to bioaccumulate. **12.4 Mobility in soil** No additional information available **12.5 Results of PBT and vPvB assessment** No additional information available **12.6 Other adverse effects** No additional information available.

Section 13 Disposal considerations

13.1 Waste treatment methods Waste treatment methods All pesticides must be disposed of as hazardous waste. Never wash out empty flasks with water. Once pest control activity has been completed, ensure that all residues of product are removed. Empty the flasks completely at site of use by upending and tapping the flask so that any remaining powder residue is deposited in the treatment burrow or run. Check that the flask is visibly empty. If residue remains repeat upending and tapping until fully removed. Ensure that the empty flask is kept dry. Tap out any residues from the applicator at the site of use as for the flasks. Disposal of waste flasks: Handle and store empty flasks as if they still contained product. Flasks must never be rinsed or cleaned. Screw the cap back onto the empty flask loosely (this action should only be carried out prior to transporting to designated storage area, flasks should not be re-capped if they still contain tablets, ensure that all product is used during the pest control treatment), this will help to ensure that any gas generated within the flask during transport from the treatment area is contained. Place the flask into a suitable bag. Label the bag and place the written confirmation that the waste treatment methods have been completed, date and sign. Seal the bag using tie wraps. Once at

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designated storage area and prior to waste collection, whilst wearing a full-face respirator with appropriate gas filter cartridge (which also meets P3 standard for particulates) or SCBA (contact your PPE supplier for advice on suitable PPE and RPE) and whilst wearing suitable gloves and skin protection such as rubber/PVC gloves and coveralls, remove the flask from the sealed bag. Remove caps, taking care and pointing flask away from face and other people, as any generated gas may be present. Invert the flasks on a mesh shelf in a secure caged area until all gas has vented from the flask. We recommend venting the flasks for 48 hours. Once venting is complete, re-cap flask and replace into and seal the plastic bag. Record on the written confirmation that the flasks have been vented. Store in a designated secure storage area until collection by a licensed waste-disposal contractor. Disposal of used PPE (gloves, coveralls, respirators): Place used PPE in plastic bags and seal. Dispose of as hazardous waste, EWC code 15 02 02*. Disposal of unusable product: Pack and seal, using tie wraps any flasks and/or cartons containing the product, which has been subject to damage or is otherwise unusable into a clear plastic bag. Consult Rentokil for advice on disposal. Disposal of applicators: Exposure to atmospheric moisture should be sufficient to ensure that applicators will not be contaminated. However, do not carry or keep contaminated applicators in confined spaces. If the applicator is to be disposed, place in a plastic bag and seal with tie wraps. Dispose of the applicator as hazardous waste EWC code 15 01 10*.

Section 14 Transport Information

In accordance with ADR / RID / IMDG / IATA / AND. **14.1 UN No** UN-No. (ADR, IATA, IMDG, ADN) 1397 **14.2 UN Proper Shipping Name** UN Proper shipping Name (ADR, IATA, IMDG, ADN) ALUMINIUM PHOSPHIDE Transport document description (ADR) UN 1397 ALUMINIUM PHOSPHIDE (MIXTURE), 4.3 (6.1), I, (E) **14.3 Transport Hazard Class(es)** Class (ADR, IATA, IMDG, ADN) 4.3 Classification code (ADR, ADN) WT2 Subsidiary risk (ADR, IMDG) 6.1 Hazard labels ((ADR, IATA, IMDG, ADN) 4.3, 6.1 Division (IATA) 4.3 **14.4 Packing Group** Packing group (ADR, IATA, IMDG, ADN) I **14.5 Environmental Hazards** Dangerous for the environment Yes Marine Pollutant Yes Other information No supplementary information available **14.6 Special precautions for user** **14.6.1 Overland transport** Classification code (ADR) WT 2 Special provisions (ADR) 507 Transport category (ADR) 1 Tunnel restriction code (ADR) E Limited quantities (ADR) 0 Excepted quantities (ADR) E0 EAC code 4W **14.6.1 Transport by Sea** Limited quantities (IMDG) 0 Excepted quantities (IMDG) E0 Packing instructions (IMDG) P403 Special packing provisions (IMDG) PP31 EmS-No. (Fire) F-G EmS-No. (Spillage) S-N Stowage category (IMDG) E Stowage and segregation (IMDG) Under deck in a mechanically ventilated space.? Clear of living quarters.? 'Separated from' acids Properties and observations (IMDG) Crystals or powder. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances.? Toxic if swallowed, by skin contact or by inhalation.

14.6.3 Air transport CAO packing instructions (IATA) 487 CAO max net quantity (IATA) 15 kg PCA packing instructions

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(IATA) Forbidden PCA Limited quantities (IATA) Forbidden PCA limited quantity max net quantity (IATA) Forbidden PCA max net quantity
 (IATA) Forbidden PCA Excepted quantities (IATA) E0 ERG code (IATA) 4PW **14.6.4 Inland waterway transport** Special provisions
 (ADN) 57, 82 Limited quantities (ADN) 0 Excepted quantities (ADN) E0 Equipment required (ADN) PP, EP, EX, TOX, A Ventilation (ADN)
 VE01, VE02 Provisions for handling and stowage of the cargo (ADN) HA08 Number of blue cones/lights (ADN) 2 Carriage prohibited
 (ADN) No **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable

Section 15 Regulatory Information

Section 15.1 Safety health and environmental regulations/legislation specific for the substance or mixture **15.1.1 EU-Regulations** No REACH Annex XVII restrictions Contains no substance on the REACH candidate list Seveso Information **15.1.2**

National regulations No additional information available **15.2 Chemical Safety Assessment** No additional information available

Section 16 Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Category 1, Acute Tox. 2 (Inhalation) Acute toxicity (inhal.),
 Category 2 Acute Tox. 2 (Oral) Acute toxicity (oral), Category 2 Acute Tox. 3 (Dermal) Acute toxicity (dermal), Category 3 Acute Tox.
 3 (Inhalation) Acute toxicity (inhal.), Category 3 Acute Tox. 3 (Inhalation:gas) Acute toxicity (inhalation:gas) Category 3 Acute Tox. 4
 (Oral) Acute toxicity (oral), Category 4 Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1

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Compressed gas Gases under pressure : Compressed gas Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Flam. Gas 1 Flammable gases, Category 1 Flam. Gas 2 Flammable gases, Category 2 Press. Gas Gases under pressure Skin Corr. 1A Skin corrosion/irritation, Category 1A Skin Corr. 1B Skin corrosion/irritation, Category 1B Skin Irrit. 2 Skin corrosion/irritation, Category 2 Water-react. 1 Substances and Mixtures which, in contact with water, emit flammable gases, Category 1 H220 Extremely flammable gas H221 Flammable gas H260 In contact with water releases flammable gases which may ignite spontaneously H280 Contains gas under pressure; may explode if heated H300 Fatal if swallowed H302 Harmful if swallowed H311 Toxic in contact with skin H314 Causes severe skin burns and eye damage H315 Causes skin irritation H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H400 Very toxic to aquatic life R12 Extremely flammable R15 Contact with water liberates extremely flammable gases R17 Spontaneously flammable in air R21 Harmful in contact with skin R22 Harmful if swallowed R26 Very toxic by inhalation R26/28 Very toxic by inhalation and if swallowed R29 Contact with water liberates toxic gas R32 Contact with acids liberates very toxic gas R34 Causes burns R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms C Corrosive F Highly flammable F= Extremely flammable N Dangerous for the environment T+ Very toxic Xi Irritant Xn Harmful

Before using any product, ensure that you read and understand its label.

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