

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

SDS Reference Number: 100

Issue date: 16/07/2026 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : PHOSTOXIN
Type of product : Biocidal products (e.g. Disinfectants, pest control), Plant protection products
Authorisation number : GB/NI-2016-1044-0001 / GB/NI-2018-1118-0001 / MAPP 17000 Approved for biocidal and plant protection uses.
Product group : Product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Trained professional
Use of the substance/mixture : 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 considered a reliable indicator of presence).
Use of the substance/mixture : Vertebrate control agent (for use against rats, rabbits and moles)

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: products@rentokil.com

1.4. Emergency telephone number

Emergency number : +44 (0)1342 833022 (24/7)
Call NHS 111 or a doctor (For UK/NI only)

Country/Area	Organisation	Emergency number
United Kingdom	National Poisons Information Service (Birmingham Centre). City Hospital. Dudley Road B18 7QH.	0344 892 0111 Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Substances and Mixtures which, in contact with water, emit flammable gases, Category 1 H260
Acute toxicity (oral), Category 2 H300
Acute toxicity (dermal), Category 1 H310
Acute toxicity (inhalation:dust,mist) Category 1 H330
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 1 H318
Hazardous to the aquatic environment – Acute Hazard, Category 1 H400

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Full text of H- and EUH-statements: see section 16

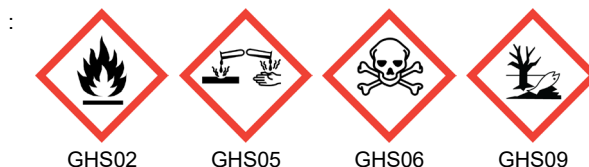
Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP)



Signal word (GB CLP)

: Danger

Contains

: aluminium phosphide; Ammonium carbamate

Hazard statements (GB CLP)

: H260 - In contact with water releases flammable gases which may ignite spontaneously.
H300+H310+H330 - Fatal if swallowed, in contact with skin or if inhaled.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H400 - Very toxic to aquatic life.

Precautionary statements (GB CLP)

: P223 - Do not allow contact with water. because of violent reaction and possible flash fire.

P232 - Protect from moisture.

P234 - Keep only in original packaging.

P260 - Do not breathe dust, gas.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310 - Immediately call a POISON CENTER or doctor.

P312 - Call a POISON CENTRE or doctor if you feel unwell.

P335 - Brush off loose particles from skin.

P370+P378 - In case of fire: Use sand, extinguishing powder, carbon dioxide (CO₂) to extinguish.

P402 - Store in a dry place.

P403 - Store in a well-ventilated place.

P404 - Store in a closed container.

P405 - Store locked up.

P501 - Dispose of contents and container to a hazardous or special waste collection point.

EUH-statements (GB CLP)

: EUH029 - Contact with water liberates toxic gas.

EUH032 - Contact with acids liberates very toxic gas.

EUH070 - Toxic by eye contact.

Extra phrases (GB CLP)

: To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	aluminium phosphide (20859-73-8), Ammonium carbamate (1111-78-0)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	aluminium phosphide (20859-73-8), Ammonium carbamate (1111-78-0)

Results of Endocrine Disruptor assessment

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Component

Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP

aluminium phosphide(20859-73-8), Ammonium carbamate(1111-78-0)

Other information

: Contains 56% Aluminium phosphide (CAS 20859-73-8) releasing phosphine. Phosphine (hydrogen phosphide) is an extremely flammable gas which is fatal if inhaled, causes severe burns and eye damage and is very toxic to aquatic life. Another reaction product in the presence of moisture is ammonia (CAS 7664-41-7) which is toxic if inhaled and is flammable. It causes severe burns and eye damage, and is very toxic to aquatic life. Aluminium phosphide meets the T criterion but not the P or B criterion for PBT classification.

SECTION 3: Composition/information on ingredients

Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
aluminium phosphide (Active ingredient) substance with a Community workplace exposure limit	CAS-No.: 20859-73-8 EC-No.: 244-088-0	56	Water-react. 1, H260 Acute Tox. 2 (Oral), H300 (ATE=5 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 1 (Inhalation), H330 (ATE=0.005 mg/l/4h) Aquatic Acute 1, H400
Ammonium carbamate	CAS-No.: 1111-78-0	20 – 25	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation

: Do not enter contaminated atmosphere, otherwise wear self contained breathing apparatus. Move the person away from the contaminated area to fresh air as soon as possible and remove contaminated or splatter clothing. Call immediately to a doctor, emergency services or NHS 111.

First-aid measures after skin contact

: Move the person away from the contaminated area to fresh air as soon as possible and remove contaminated or splatter clothing. If contact on skin, remove powdery residues by brushing. Rinse with plenty of water only when no more powdery residues are visible.

First-aid measures after eye contact

: Move the person away from the contaminated area to fresh air as soon as possible and remove contaminated or splatter clothing. If contact in eyes, remove powdery residues using lint –free cloth. Rinse with plenty of water only when no more powdery residues are visible. Do NOT forget to remove any contact lenses.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

First-aid measures after ingestion	: Do not enter contaminated atmosphere, otherwise wear self contained breathing apparatus. Move the person away from the contaminated area to fresh air as soon as possible and remove contaminated or splatter clothing. If swallowed do NOT induce vomiting unless told to do so by poison control or a health care professional. Call immediately to a doctor, emergency services or NHS 111. - If necessary take the person to a hospital in a well – ventilated car and show the label or packaging whenever possible. - Keep the patient at rest and maintain the body temperature. - If the person is unconscious, turn the patient sideways with the head at a lower level than the rest of the body and the knees bended. - If breathing stops or shows signs of failing administer artificial respiration using oxygen and a mechanical device such as a bag and mask. - Do not use mouth to mouth resuscitation. DO NOT LEAVE THE PERSON ALONE UNDER ANY CIRCUMSTANCES.
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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: 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. Poisoning may cause; Burning of the eyes, skin, mucous membranes, respiratory and gastrointestinal tract. - Nausea, vomiting, diarrhoea and severe abdominal pain. -Headache, cough, tightness and pain in the chest, shortness of breath, dizziness, lethargy, and stupor. -Fatigue, muscle pain, chills, incoordination, seizures and coma. - Pulmonary edema and cardiac arrhythmias. Liver, kidney, and adrenal cortex damage. -Multiorgan failure which may cause death. If any of the mentioned symptoms occurs or if poisoning is suspected: STOP WORK IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, seek medical advice immediately.
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4.3. Indication of any immediate medical attention and special treatment needed

WARNING: All patients with exposures should be sent to a Healthcare facility for at least a period of 24 hours observation after inhalation or ingestion. Contact with moisture or moist air: if swallowed the contact with an organism's stomach acid produces PHOSPHINE. Aluminium phosphide releases phosphine gas into the stomach and can cause spontaneous vomiting and the gas can contaminate confined areas like rooms and ambulances. Medical advice for doctors: No specific antidote is known. Treatment for suspected poisoning should be symptomatic and supportive care. UK Medical Professionals should contact the National Poisons Information Service (www.nips.org) for further information. For further advice please call NHS 111. IF MEDICAL ADVICE IS NEEDED, HAVE THE PRODUCT CONTAINER OR LABEL AT HAND AND CONTACT THE POISON CONTROL CENTRE.

SECTION 5: Firefighting 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).
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5.3. Advice for firefighters

Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear suitable personal protective equipment.
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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.
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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

Methods for cleaning up : In the event of spillage or accidental trigger release, do not attempt to recover the tablets for re-loading. 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 SPILLAGES. 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

7.1. Precautions for safe handling

Precautions for safe handling : Avoid any unnecessary contact with the product. Misuse may cause adverse effects on health. Always open the pack out of doors / in a well-ventilated place and work sideways on to the wind. Open the flask outdoors immediately before use and ensure it is pointing away from you.
DO NOT USE THIS PRODUCT: If the ground is very wet, In wet weather/ including dense fog or heavy mist. DO NOT ALLOW PRODUCT TO REMAIN ON GROUND Use all of the contents of the flask in one operation. Use only with the Applicator supplied for use with Phostoxin.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked securely in a cool, dry, well ventilated place in the original closed container away and protected from water or moisture. Protect and keep away from moisture and away from any possible contact with water because of a possible violent reaction and possible flash fire. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Keep only in original container, tightly closed, under lock and key. DO NOT STORE OR RE-SEAL PART USED FLASKS EXCEPT WHEN TRANSPORTING. 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 controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

aluminium phosphide (20859-73-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Phosphine
IOEL TWA	0.14 mg/m ³
IOEL STEL	0.28 mg/m ³

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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering 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 required:

8.2.2. Personal protection equipment

Personal protective equipment:

Wear synthetic rubber gloves. Wear self contained breathing apparatus or full face respirator(to EN 136) with B2P3 filter (to EN 14387) dependent on risk assessment.

8.2.2.1. Eye and face protection

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)

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear synthetic rubber gloves.

8.2.2.3. Respiratory protection

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 (Contact your PPE supplier for advice on suitable PPE and RPE).

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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 physical and chemical properties

Physical state	: Solid
Odour	: garlic-like.
Odour threshold	: Not available
pH	: Not available
pH solution	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: -87.4 °C Phosphine
Flash point	: Not applicable
Flammability	: Extremely flammable gas.
Explosive limits	: 1.79 – 1.89 Vol-% Hydrogen phosphide
Lower explosion limit	: Not applicable

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Upper explosion limit	: Not applicable
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: 1.2 Phosphine
Relative density	: Not available
Density	: 2.01505 g/cm ³ aluminium phosphide
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
Viscosity, kinematic	: Not applicable
Explosive properties	: Not available

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 (oral)	: Fatal if swallowed.
Acute toxicity (dermal)	: Fatal in contact with skin.
Acute toxicity (inhalation)	: Inhalation:dust,mist: 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	0.015 mg/l/4h Hydrogen phosphide (phosphine)
LC50 Inhalation - Rat [ppm]	11 ppm/4h Hydrogen phosphide (phosphine)
ATE UK (vapours)	0.015 mg/l/4h

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PHOSTOXIN

ATE UK (dust, mist)	0.015 mg/l/4h
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aluminium phosphide (20859-73-8)

LD50 oral	8.7 mg/kg
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LD50 dermal	900 mg/kg
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Skin corrosion/irritation	: Causes skin irritation.
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
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

PHOSTOXIN

LC50 - Fish [1]	0.0097 ppm
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EC50 - Crustacea [1]	0.2 mg/l
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aluminium phosphide (20859-73-8)

LC50 - Fish [1]	0.0097 mg/l
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12.2. Persistence and degradability

PHOSTOXIN

Persistence and degradability	Phosphine decomposes in the atmosphere within 5-28h.
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aluminium phosphide (20859-73-8)

Persistence and degradability	Rapidly degradable
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Ammonium carbamate (1111-78-0)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

PHOSTOXIN

Bioaccumulative potential	This product is not expected to bioaccumulate.
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12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

PHOSTOXIN	
Results of PBT assessment	Aluminium phosphide meets the T criterion, but not the P or B criterion.
Component	
aluminium phosphide (20859-73-8)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
Ammonium carbamate (1111-78-0)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : APPLICATOR CLEANING AND WASTE TREATMENT METHODS: When an applicator is used, it shall be cleaned after use. The cleaning shall be performed outdoors preferably in light winds (observe the wind direction) and with careful avoidance of exposure of humans and animals to dusts and/or phosphine. The cleaning of the Applicator shall be carried out in a sufficiently large vessel with tension relived water (with a detergent). All parts of the device must remain in the bath for at least four hours. During this time, the area shall be left. The device is then rinsed well with fresh water until all parts are clean. Before re-using the device, it shall be technically checked and all parts shall be completely dry. The cleaning operation should be conducted at sufficient intervals in order to ensure there is no hazardous build up of aluminium phosphide residues within the device. However before progressing with the cleaning procedure as outlined above, an appropriate risk assessment should be conducted to ensure there is sufficient time for all parts within the applicator to be safely dried before the next required use. This is necessary to ensure there is no possible contact between any trapped moisture inside the device and the product to be added. The applicator can only be carried between sites, transported on a vehicle (note not in a vehicle) or stored when it is empty and no longer contains the product or any dust that might generate phosphine. If as a result of a risk assessment immediate cleaning by washing is not possible because of possible moisture retention prior to next required use, as an interim measure the following emptying procedure should be followed. The empty flasks should be removed from the applicator and any remaining dust residue tapped from them, while still wearing full PPE, including full face respirator to EN136 with B2P3 filter to EN14387. Repeat this initial cleaning process with the empty applicator by operating the trigger mechanism a number of times to remove any dust or particles that may still be present. Ensure you then transport the empty applicator together with the empty flasks in a sealed container (300 gauge plastic would suffice) in an unoccupied compartment on the vehicle well away from the drivers cab, to a suitable place where all these items can be safely vented and aired (whilst again wearing PPE/RPE) until no further phosphine is liberated. Do not allow the applicator or flasks to become wet at any time during this venting procedure. At the first opportunity following this emptying procedure and when a risk assessment allows, the applicator should then be washed in accordance with the specified process described above. Refer to RAMPS (Register of Accredited Metallic Phosphide Standards) for further cleaning advice (<http://www.ramps-uk.org>).

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				

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ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
ALUMINIUM PHOSPHIDE	ALUMINIUM PHOSPHIDE	Aluminium phosphide	ALUMINIUM PHOSPHIDE	ALUMINIUM PHOSPHIDE
Transport document description				
UN 1397 ALUMINIUM PHOSPHIDE (MIXTURE), 4.3 (6.1), I, (E), ENVIRONMENTALLY HAZARDOUS	UN 1397 ALUMINIUM PHOSPHIDE, 4.3 (6.1), I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1397 Aluminium phosphide, 4.3 (6.1), I, ENVIRONMENTALLY HAZARDOUS	UN 1397 ALUMINIUM PHOSPHIDE, 4.3 (6.1), I, ENVIRONMENTALLY HAZARDOUS	UN 1397 ALUMINIUM PHOSPHIDE, 4.3 (6.1), I, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
4.3 (6.1)	4.3 (6.1)	4.3 (6.1)	4.3 (6.1)	4.3 (6.1)
14.4. Packing group				
I	I	I	I	I
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: WT2
Special provisions (ADR)	: 507
Limited quantities (ADR)	: 0
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P403
Mixed packing provisions (ADR)	: MP2
Transport category (ADR)	: 1
Special provisions for carriage - Packages (ADR)	: V1
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV23, CV28
Special provisions for carriage - Operation (ADR)	: S20
Tunnel restriction code (ADR)	: E
EAC code	: 4W

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

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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.

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Forbidden
PCA limited quantity max net quantity (IATA) : Forbidden
PCA packing instructions (IATA) : Forbidden
PCA max net quantity (IATA) : Forbidden
CAO packing instructions (IATA) : 487
CAO max net quantity (IATA) : 15kg
ERG code (IATA) : 4PW

Inland waterway transport

Classification code (ADN) : WT2
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

Rail transport

Classification code (RID) : WT2
Special provisions (RID) : 507
Limited quantities (RID) : 0
Excepted quantities (RID) : E0
Packing instructions (RID) : P403
Mixed packing provisions (RID) : MP2
Transport category (RID) : 1
Special provisions for carriage – Packages (RID) : W1
Special provisions for carriage - Loading, unloading and handling (RID) : CW23, CW28
Hazard identification number (RID) : X462

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. National regulations

UK REACH Annex XVII (Restriction List)

UK restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
40.	PHOSTOXIN	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in the GB classification and labelling list or not.

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

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UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

Biocide Regulation (528/2012)

Contains substance(s) listed on the Biocidal Products list (Regulation EU 528/2012 concerning the making available on the market and use of biocidal products)

Type of product (Biocide) : 14 - Rodenticides, 20 - Control of other vertebrates
Authorisation number : GB/Nl-2016-1044-0001 / GB/Nl-2018-1118-0001 / MAPP 17000 Approved for biocidal and plant protection uses.

GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1
Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 1 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 1
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Water-react. 1	Substances and Mixtures which, in contact with water, emit flammable gases, Category 1
H260	In contact with water releases flammable gases which may ignite spontaneously.
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.

PHOSTOXIN

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Full text of H- and EUH-statements:

H311	Toxic in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
EUH029	Contact with water liberates toxic gas.
EUH032	Contact with acids liberates very toxic gas.
EUH070	Toxic by eye contact.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Water-react. 1	H260	
Acute Tox. 2 (Oral)	H300	On basis of test data
Acute Tox. 1 (Dermal)	H310	
Acute Tox. 1 (Inhalation:dust,mist)	H330	On basis of test data
Skin Irrit. 2	H315	
Eye Dam. 1	H318	Calculation method
Aquatic Acute 1	H400	Calculation method

Safety Data Sheet (SDS), UK (RI)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Neither Rentokil Initial plc nor any of its subsidiaries accepts any liability for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

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Telephone: +44 (0) 1342 833022