

TALUNEX

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830



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

Product identifier

Product name: Talunex®
Registration Number: UK-2016-1044-0002/ UK-2018-1118-0002/ MAPP 17001
Product form: Mixture

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

1.1.1. Relevant identified uses

Main use category: Trained professional
Use of the substance/mixture: A vertebrate control agent for professional use. Spherical pellets supplied in an aluminium flask. The phosphine gas, which is produced when the pellets 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 rat, rabbits and mole).

1.1.2. Uses advised against

No additional information available.

1.2. Details of the supplier of the safety data sheet

Address: Killgerm Chemicals Ltd, Wakefield Road, Ossett, WF5 9AJ
Tel: +44 (0)1924 268 450 Fax: +44 (0)1924 265 033 Email: technical@killgerm.com

1.3. Emergency telephone number

Medical professionals should contact Nation Poisons Information Service on 0344 892 0111.

Non-medical medical professionals should contact NHS Direct on 111.

SECTION 2: Hazards identification

2.1. Classification of the mixture according to Regulation (EC) No. 1272/2008 [CLP]

In contact with water releases flammable gases which may ignite spontaneously	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

Full text of H statements: see Section 16.

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]



Signal word:	DANGER
Hazardous ingredients:	Aluminium phosphide; Ammonium Carbamate; Phosphine / Hydrogen phosphide (reaction product on contact with moisture); Ammonia (reaction product on contact with moisture)
Hazard statements:	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:	P223 - Do not allow contact with water. because of violent reaction and possible flash fire. P232 - Protect from moisture. P234 - Keep only in original container. P260 - Do not breathe dust. 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/doctor P304 + P340 + P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor, a POISON CENTER. P312 - Call a POISON CENTRE or doctor/physician if you feel unwell P335 - Brush off loose particles from skin. P370 + P378 - In case of fire: Use dry sand or powder, then CO2 to extinguish. P402+P404 - Store in a dry place. Store in a closed container. P405 - Store locked up. P501 - Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site
EUH-statements:	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.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No 1272/2008 [CLP]
Aluminium phosphide	CAS-No.) 20859-73-8 (EC-No.) 244-088-0 (EC Index-No.) 015-004-00-8	56	Water-react. 1, H260 Acute Tox. 2 (Oral), H300 Acute Tox. 3 (Dermal), H311 Acute Tox. 1 (Inhalation), H330 Aquatic Acute 1, H400 (M=100)
Ammonium Carbamate	(CAS-No.) 1111-78-0 (EC-No.) 214-185-2	≥	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
Reaction products on contact with moisture below			
Ammonia (reaction product on contact with moisture)	(CAS-No.) 7664-41-7 (EC-No.) 231-635-3;231-634-3 (EC Index-No.) 007-001-00-5	2 - 10	Flam. Gas 2, H221 Press. Gas (Comp.), H280 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation: gas), H331 Skin Corr. 1A, H314 Aquatic Acute 1, H400
Phosphine / Hydrogen phosphide (reaction product on contact with moisture)	(CAS-No.) 7803-51-2 (EC-No.) 232-260-8 (EC Index-No.) 015-181-00-1	25-50	Flam. Gas 1, H220 Press. Gas Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Aquatic Acute 1, H400

Full text of H-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. 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 CENTRE or doctor/physician.

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.

4.3. Indication of any immediate medical attention and special treatment needed

Contact National Poisons Information Service.

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).

5.3. Advice for firefighters

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

Methods for 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 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.

7. SECTION 7: Handling and storage

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 locked up, out of reach of children and away from food drink and animal feeding stuffs. Store in a safe place under lock and key. **DO NOT** store open flasks. **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 controls/personal protection

8.1. Control parameters

Aluminium phosphide (20859-73-8)		
EU	Local name	Phosphine
EU	IOELV TWA (mg/m ³)	0.14 mg/m ³
EU	IOELV STEL (mg/m ³)	0.28 mg/m ³
Ammonia (reaction product on contact with moisture) (7664-41-7)		
EU	Local name	Ammonia, anhydrous
EU	IOELV TWA (mg/m ³)	14 mg/m ³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m ³)	36 mg/m ³
EU	IOELV STEL (ppm)	50 ppm
United Kingdom	Local name	Ammonia, anhydrous
United Kingdom	WEL TWA (mg/m ³)	18 mg/m ³

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United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m ³)	25 mg/m ³
United Kingdom	WEL STEL (ppm)	35 ppm

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 required:

Personal protective equipment:	Gloves. Self-contained breathing apparatus or full face respirator (to EN136) with B2P3 filter(to EN14387) dependant on risk assessment.
Hand protection:	Wear synthetic rubber 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 (Contact 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.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Colour:	Grey
Odour:	garlic-like
Odour threshold:	No data available
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
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

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Relative density:	No data available
Density:	2.3 g/cm ³ 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 corrosive to 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. Dermal: Fatal in contact with skin. Inhalation: dust, mist: Fatal if inhaled

TALUNEX	
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

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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 (vapours)	0.015 mg/l/4h
ATE CLP (dust, mist)	0.015 mg/l/4h

Aluminium phosphide (20859-73-8)	
LD50 oral	8.7 mg/kg
LD50 dermal	900 mg/kg

Ammonium Carbamate (1111-78-0)	
LD50 oral	681 - 1470 mg/kg

Ammonia (reaction product on contact with moisture)	
LC50 inhalation rat (ppm)	2000 ppm/4h

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.

SECTION 12: Ecological information

12.1. Toxicity

TALUNEX	
LC50 fish 1	0.0097 ppm
EC50 Daphnia 1	0.2 mg/l

Aluminium phosphide (20859-73-8)	
LC50 fish 1	0.0097 mg/l

Ammonia (reaction product on contact with moisture) (7664-41-7)	
LC50 other aquatic organisms 1	25.4 mg/l

12.2. Persistence and degradability

TALUNEX	
Persistence and degradability	Phosphine decomposes in the atmosphere within 5-28h

12.3. Bioaccumulative potential

TALUNEX	
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: **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 relieved 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 driver's 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/AND/RID

14.1. UN number

UN-No. (ADR):	1397
UN-No. (IMDG):	1397
UN-No. (IATA):	1397
UN-No. (ADN):	1397
UN-No. (RID):	1397

14.2. UN proper shipping name

Proper Shipping Name (ADR):	ALUMINIUM PHOSPHIDE
Proper Shipping Name (IMDG):	ALUMINIUM PHOSPHIDE
Proper Shipping Name (IATA):	Aluminium phosphide
Proper Shipping Name (ADN):	ALUMINIUM PHOSPHIDE
Proper Shipping Name (RID):	ALUMINIUM PHOSPHIDE
Transport document description (ADR):	UN 1397 ALUMINIUM PHOSPHIDE (MIXTURE), 4.3 (6.1), I, (E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG):	UN 1397 ALUMINIUM PHOSPHIDE, 4.3 (6.1), I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA):	UN 1397 Aluminium phosphide, 4.3, I, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN):	UN 1397 ALUMINIUM PHOSPHIDE, 4.3 (6.1), I, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID):	UN 1397 ALUMINIUM PHOSPHIDE, 4.3 (6.1), I, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es).

ADR

Transport hazard class(es) (ADR):	4.3 (6.1)
Danger labels (ADR)	4.3, 6.1



IMDG

Transport hazard class(es) (IMDG):	4.3 (6.1)
Danger labels (IMDG)	4.3, 6.1

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IATA

Transport hazard class(es) (IATA): 4.3 (6.1)

Hazard labels (IATA): 4.3, 6.1



ADN

Transport hazard class(es) (ADN): 4.3 (6.1)

Danger labels (ADN): 4.3, 6.1



RID

Transport hazard class(es) (RID): 4.3 (6.1)

Danger labels (RID): 4.3, 6.1



14.4. Packing group

Packing group (ADR): I

Packing group (IMDG): I

Packing group (IATA): I

Packing group (ADR): I

Packing group (ADR): 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

-Overland transport

Classification (ADR): WT2

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Special provisions (ADR):	507
Limited quantities (ADR):	0
Excepted quantities (ADR)	E0
Packing instructions (ADR)	P403
Mixed packing provisions	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:	PP31
EmS-No. (Fire):	F-G
EmS-No. (Spillage)	S-N
Stowage category (IMDG):	E
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):	15 kg
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

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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. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

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 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 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2

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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
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
Press. Gas (Comp.)	Gases under pressure: Compressed gas
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.
H310	Fatal in contact with skin.
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.
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.

This safety data sheet does not constitute a COSHH assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This safety data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. 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. No liability will be accepted by Killgerm Chemicals Limited or its subsidiaries for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.

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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.