

## **Safety Data Sheet**

## **TALUNEX**

1	Identification of the preparation and the supplying Company			nly in the control of rabbits, moles and rats outdoors	
		•	cals Ltd, Wakefield Road, Ossett, We	· · · · · · · · · · · · · · · · · · ·	
		•	0)1924 268450 Fax: (0)1924 265	5033 Email: <a href="mailto:technical@Killgerm.com">technical@Killgerm.com</a> nergencies, fires, spillages or chemical hazard only	
		phone 0870 190	•	lergenoies, mes, spinages of offermed fluzzifu offig	
		National Poison	s Information Service 0870 600 6266	6.	
			cals Ltd, 01924 268452 (Office hours	3)	
2	Hazards identification	Dangerous for the environment Highly flammable. Syml			
		Very toxic. Symbol: T+			
		Physical/Chemical haza		<u> </u>	
		Human Health hazards:	•	rith water liberates very toxic gas. Contact with acids I exposure may cause liver, kidney and lung damage.	
		Environmental hazard:-	Very toxic to aquatic organisms.	r expectate thay eaded liver, kidney and lang damage.	
3	Composition and information on	Aluminium phosphide pr	eparation with ignition-inhibiting additives		
	ingredients	Ingredient	Concentration Symbol R-phr	ases CAS-No.	
		Aluminium phosphide	,	9-21-28-32-50 20859-73-8	
		Generated ingredients	EH40. WEL	CAS-No. Odour threshold	
		Hydrogen phosphide	0.1ppm, 0.14mg/m³ (Long-term exposu		
		(Phosphine)	0.2ppm, 0.28mg/m³ (Short-term exposi		
		Ammonia	25ppm, 18mg/m³ (Long-term exposure 35ppm, 25mg/m³ (Short-term exposure		
		Carbon dioxide	5000ppm, 9150mg/m³ (Long-term exposure		
			15000ppm, 27400mg/m³ (Short-term exp		
4	First Aid measures	Inhalation:		s, feeling of constriction, difficult breathing and nausea	
			,	zone and seek fresh air; consult a physician; inhale nt following exposition of smoke gas (eg a	
			beclometosone (Ventolair ®) s		
		Eye contact:	•	ree cloth; rinse with plenty of water and apply eye	
			drops only after no more powd	•	
		Skin contact:		ng; only then use water for cleansing.	
		Special aids required		ication by physician) and products for acute treatment	
		first aid measures:	available.	as (eg a beclometosone (Ventolair ®) spray)	
5	Fire-fighting measures	0		the product itself does not burn; extinguish fires in	
		Suitable extinguishi	ng media:	the vicinity with dry sand or powder and then with CO2	
		Extinguishing media reasons:	a that must not be used for safety	water, extinguishers containing water	
		Special hazards from	m the substance itself, its	in case of fires hazardous combustion gases are	
		combustion produc	ts or from its vapours:	formed: caustic phosphoric acid aerosols	
				(phosphoric pentoxide)	
		Cunnial muntanting a	aviana ant fou fine fielding.		
			quipment for fire fighting :	respiratory equipment, see para 8 below	
6	Accidental release measures	Special protective e Personal precautions:	In the event of major spillage immediately (phone emerge ventilation. Wear suitable pro	respiratory equipment, see para 8 below e evacuate room immediately. Contact an expert ncy number in para 1.4, above). Provide adequate otection. Self-contained breathing apparatus with full	
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7	Accidental release measures  Handling and storage	Personal precautions:  Environmental precau	In the event of major spillage immediately (phone emerger ventilation. Wear suitable proface shield. Keep away from tions:  Prevent dispersion. Collect servent entry to sewers and extinguishing water after fire immediately. Notify authoriting:  Prevent dispersion. Clean up cleaning. Remove as chemic Read label before use. Handle, sto	respiratory equipment, see para 8 below e evacuate room immediately. Contact an expert ncy number in para 1.4, above). Provide adequate otection. Self-contained breathing apparatus with full a sources of ignition. spilled material. Keep it dry. Store in a safe place. public waters. Make provisions to collect as. In the event of major spillage contact an expert ies if product enters sewers or public waters.	
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		Safety Dat	
3	Exposure controls and personal	Engineering measures:	Provide adequate ventilation.
	protection	Hygiene measures:	When using, <b>do not</b> eat, drink or smoke. Wash hands and other exposed areas with soap and water before leaving work. Shower after work. Wear
		–	clean working clothes every day.
		Workplace Exposure Limits:	See Heading 3 (Information on ingredients)
		Personal Protection -Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment e.g.
		respiratory protestion	Full Face Mask with B2P3 filter.
		-Skin protection	Wear suitable protective clothing, e.g. disposable, lightweight, washable cotton or blended cotton overalls.
		-Hand protection	Use synthetic rubber gloves.
		-Eye protection	In the event of possible exposure: combined eye and respiratory protection.
		-Ingestion	When using, do not eat, drink or smoke.
9	Physical and chemical properties	Appearance:	Grey pellets
		Physical state:	Tablets
		Colour:	Grey
		Odour:	Garlic
		pH value:	Not applicable
		Solubility in water:	Reacts violently with water (decomposition)
		Relative vapour density (air=1):	Not applicable
		Self ignition °C:	This product contains ignition-inhibiting additives.
		Physical properties:	Decomposes on contact with moist air or water. Phosphine will be formed
		Flash point (°C):	Not applicable
		Log P octanol/water at 20°C:	Not applicable
10	Stability and reactivity	Stability:	Stable under normal circumstances.
		Hazardous decomposition products	<ul> <li>Burning may produce e.g.: Phosphine. Phosphoric acid.</li> <li>Phosphorus oxides.</li> </ul>
		Hazardous reactions:	Reacts violently with water liberating highly flammable gases. Subsequently fire/explosion hazard.
		Materials to avoid:	Water. Acids.
		Other information:	Handle carefully. Uncontrolled development of hydrogen phosphide can cause fires.
		Conditions to avoid:	Open flame. Sparks.
		Hazardous polymerisation:	Will not occur.
11	Toxicological information	On product:	Very toxic if swallowed. No data available.
		Rat inhalation LC50 [mg/l/4h]:	Phosphine: 0.015
		Other toxicological information:	Contact with water liberates toxic gas: Phosphine
		On ingredients:	See Heading 3 (Information on Ingredients).
12	Ecological information	On product:	Very toxic to aquatic organisms
		Ecological effects information:	Phosphine decomposes in the atmosphere within 5 – 28 hours.
		LC5O-96H-Rainbow trout mg/I:	Phosphine: 0.0097
		EC5O-48H-Daphnia Magna mg/I:	Phosphine: 0.2

Safety Data Sheet

Keep dry. Prevent dispersion. Remove waste product to a suitable incinerator. Waste disposal procedures:

Waste residues: Fire hazard. Keep waste separate. Remove as chemical waste, according to

national or local legislation. Render residues safe by the method described in

HSE guidance note:- "Fumigation" HSG251.

According to national or local legislation.

Use all contents of the flasks. Empty flasks can be re-sealed only for transport Empty packaging:

to waste storage area. Do not store or reseal part used flasks.

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.

Product/packaging disposal: 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 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 advise 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. The written confirmation should include the name of the waste disposal contractor and the date they were contacted to collect the flask

European Waste Catalogue codes:-

Packaging containing residues or contaminated by Talunex – 15 01 10\* hazardous waste. Consign using a consignment note for hazardous waste. Redundant Talunex stock, damaged containers, transport casualties – 20 01

19\*. Pesticides. Consign using a consignment note for hazardous waste Transport information Road-/rail transport acc. to ADR/RID:

EWC codes:

Disposal considerations

Class: 4.3, UN 1397, PG: 1

Description of goods: Aluminium phosphide, mixture

Labels: Dangerous when wet 4 = main risk

Toxic = subsidiary risk

Orange placard on vehicle: above 20 kgs net weight Remarks: limited quantities acc. to chapter 3.4 not possible

Sea transport acc. to IMDG-Code

Class: 4.3 UN-No.: 1397 Packing Group I

Proper shipping name: ALUMINIUM PHOSPHIDE, MIXTURE

Labels: Dangerous when wet 4 = main risk

Toxic = subsidiary risk Marine pollutant: no EmS-Code: F-G, S-N

Air Transport acc. to IATA-DGR/ICAO-TI

Sea Transport and packaging instructions: 487 (IATA 53<sup>rd</sup> Ed.)

Proper shipping name: Aluminium phosphide

Remarks: max. weight 1 kg/inner packaging, 15 kg/outer packaging cargo aircraft only

Transport by barge acc. to ADN/ADNR see road transport.

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Regulatory information This preparation has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009: CHIP 4. These implement the Dangerous Preparations Directive-99/35/EC. This Safety Data Sheet complies with CHIP 4 requirements and the Safety Data Sheets Directive 91/155/EEC (as amended by Directives 93/112/EC and 2001/58/EC). Restricted to professional users. Refer to other relevant measures such as the Health and Safety at Work etc Act 1974 and the COSHH regulations and guidance. The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.

> Symbols: F, T+, N

Warning phrases

R Phrase(s) : R15/29 - Contact with water liberates toxic, extremely flammable gases.

> : R28 - very toxic if swallowed. : R21 - Harmful in contact with skin

: R32 - Contact with acids liberates very toxic gas.

This product is approved under The Control of Pesticides Regulations (as amended) 1986. MAPP no.

: R50 - Very toxic to aquatic organisms.

S Phrase(s) : 1/2 - Keep locked up and out of reach of children.

14608. (Amendment no 3098 of 2012). PCS no. 91379.

: 3/9/14/49 Keep only in the original container in a well ventilated place. Away

from humidity, water and acids

: 30 - Never add water to this product.

: 36/37 - Wear suitable protective clothing and gloves.

: 45 - In case of accident or if you feel unwell, seek medical advice immediately

(show the label when possible).

: 60 This material and/or its container must be disposed of as hazardous waste : 61 Avoid release to the environment. Refer to special instructions/safety data

sheets.

Additional: Skin and hair must be brushed free of residues in a well-ventilated place after

contact and always after work and before washing, eating, drinking or going out in

the rain

Additional information: Packaging must not be reused.

Other information

I FGFND:

n.a. = not applicable n.t. = not tested

n.v. = not available

WEL = Workplace Exposure Limit

Use only in accordance with label instructions.

Operatives using this product should be trained in its use.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

This 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 data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited 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.

Talunex is a registered trade mark of Killgerm Group Limited.

This issue updates the previous one in respect of paragraphs 7 & 13 - handling, disposal and waste control information

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