

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

### 1.1 Product identifier:

**Trade name: Insecto Pro-Formula Insect Killing Powder**

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

#### Relevant identified uses of the substance or mixture:

Intended for general public

Main use category : Consumer use, Professional use

Use of the substance/mixture : Insecticide

Function or use category : Pesticides, non-agricultural (Biocides)

#### Uses advised against:

Do not use for purposes other than those stated in "Recommended uses"

### 1.3 Details of the supplier of the safety data sheet

Lodi UK Ltd Bays 3 & 4, Building 69 Third Avenue Pensnett Trading Estate Kingswinford DY6 7FD

Tel: +44 01384 404242 (office hours only)

Emergency tel: +44 01384 404242 (office hours only)

### 1.4 Emergency telephone number

#### Emergency information services / official advisory body:

Country	Organisation/ Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle- upon-Tyne NE1 4LP Newcastle	0344 892 0111
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) 1272/2008 (CLP)

Hazardous to the aquatic environment — Acute Hazard, Category 1 H400

Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

### 2.2 Label elements

#### Labeling according to Regulation (EC) 1272/2008 (CLP)



Hazard pictograms:

GHS09

Signal word:

Warning

Hazard statements:

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P102 Keep out of reach of children.  
 P273 Avoid release to the environment.  
 P391 Collect spillage.  
 P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH statement:

EUH208 - Contains Azamethiphos. May produce an allergic reaction.

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

n.a.

### 3.2 Mixture

Hazardous components within the meaning of the CLP regulation and related classification:

Substance:	EC/CAS numbers:	EU Index No./REACH Registration Number:	CLP Classification:	Percent:
azamethiphos ISO); S-[(6-chloro-2-oxooxazolo [4,5-b]pyridin-3(2H)-yl) methyl] O,O-dimethyl thiophosphat	252-626-0/ 35575-96-3	613-338-00-4/ -	Carc. 2; H351 Acute Tox. 3 (inhal.); H331 Acute Tox. 4 (Oral); H302 STOT SE 1; H370 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1;	0.5

			H410  <b>Specific Concentration Limits, M-factors and ATEs if available:</b> inhalation: ATE = 0,5 mg/l (dusts or mists) oral: ATE = 500 mg/kg bw M = 1 000 M = 1 000	
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For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First-aid measures general:	Call a doctor.
First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a doctor.
First-aid measures after skin contact:	Take off contaminated clothing. Wash skin with plenty of water.
First-aid measures after eye contact:	Rinse immediately with plenty of water. Get medical advice/attention. Rinse eyes with water as a precaution.
First-aid measures after ingestion:	If swallowed, seek medical advice immediately and show this container or label. Call a poison center or a doctor if you feel unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects: Causes acetyl cholinesterase inhibition.

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

Antidote: atropine.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	All extinguishing agents can be used - Water jet spray/foam/CO <sub>2</sub> /dry extinguisher
<b>Unsuitable extinguishing media</b>	Do not use a heavy water stream.

### 5.2 Special hazards arising from the substance or mixture

Toxic fumes may be released.

### 5.3 Advice for firefighters

Precautionary measures fire:	Prevent fire fighting water from entering the environment.
Firefighting instructions:	Use water spray or fog for cooling exposed containers. Apply water spray or fog to cool nearby equipment.
Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

General measures: Do not breathe dust.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2 Environmental precautions

Avoid release to the environment. Very toxic to aquatic life. Prevent entry to sewers and public waters.

### 6.3 Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Mechanically recover the product. Contain leaking substance, pump over in suitable containers.

Other information: Dispose of materials or solid residues at an authorized site.

### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

## SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from food, drink and animal feeding stuffs. Store in a well-ventilated place. Keep cool.

Maximum storage period: 2 year

### 7.3 Specific end use(s)

Pesticides, non-agricultural (Biocides).

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None set for components.

DNEL Exposure Limit Values

Not available

PNEC Exposure Limit Values

Not available

## 8.2 Exposure controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Hand protection:

Protective gloves

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	White solid	--	--
Odour:	Odourless	--	--
Odour threshold:	Not available	--	--
pH:	Not available	--	--
Melting point / freezing point:	Not available	--	--
Initial boiling point and boiling range:	Not available	--	--
Flash point:	Not applicable	--	--
Evaporation rate:	Not available	--	--
Solid/gas flammability:	Not available	--	--
Upper/lower flammability or explosive limits:	Not available	--	--
Vapour pressure:	Not available	--	--
Vapour density:	Not available	--	--
Relative density:	Not applicable	--	--
Solubility in water:	Insoluble.	--	--
Solubility in oil:	Not available	--	--
Partition coefficient (n-octanol/water):	Not available	--	--
Auto-ignition temperature:	Not available	--	--
Decomposition temperature:	Not available	--	--

Viscosity:	Not available	--	--
Explosive properties:	Not available	--	--
Oxidizing properties:	Not available	--	--

## 9.2 Other information

Properties	Value	Method:	Notes:
Miscibility:	Not available	--	--
Fat Solubility:	Not available	--	--
Conductivity:	Not available	--	--
Substance Groups relevant properties	Not available	--	--

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4 Conditions to avoid

Heat, moisture.

### 10.5 Incompatible materials

No additional information available.

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

(a) acute toxicity:

#### Product:

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

#### Ingredient:

Azamethiphos

LD50 oral rat 500 mg/kg

LD50 dermal rat > 2000 mg/kg

LC50 inhalation rat (mg/l) 0.5 - 1 mg/l/4h

Azamethiphos

NOAEL (chronic, oral, animal/male, 2 years) 0.5 mg/kg bodyweight  
 NOAEL (chronic, oral, animal/female, 2 years) 0.5 mg/kg bodyweight

(b) skin corrosion/irritation:  
 Not classified.

(c) serious eye damage/irritation:  
 Not classified.

(d) respiratory or skin sensitisation:  
 Not classified.

(e) germ cell mutagenicity:  
 Not classified.

(f) carcinogenicity:  
 Not classified.

(g) reproductive toxicity:  
 Not classified.

(h) STOT-single exposure:  
 Not classified.

(i) STOT-repeated exposure:  
 Not classified.

(j) aspiration hazard:  
 Not classified.

### 11.2 Information on other hazards:

Endocrine disrupting properties: None

Other information:

Potential adverse human health effects and symptoms: Causes acetyl cholinesterase inhibition.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : This product contains hazardous components for the environment. May cause long-term adverse effects in the environment. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

#### Ingredient:

Azamethiphos

LC50 fish 1 0.19 mg/l Oncorhynchus mykiss (Rainbow trout)

EC50 Daphnia 1 0.33 µg/l

ErC50 (algae) 74 mg/l

NOEC chronic crustacea 0.00012 mg/l

### 12.2. Persistence and degradability

Not available

#### Ingredient:

Azamethiphos



Issue date: 22/06/2023

Revision: 02

Version: 03

Replaces: SDS dated 05.09.2015 / 0002

Persistence and degradability      Not biodegradable.  
Biodegradation      17 %

**12.3. Bioaccumulative potential**

Not available.

**Ingredient:**

Azamethiphos  
Bioconcentration factor (BCF REACH)      < 2000  
Log Pow      1 at 20 °C  
Bioaccumulative potential      Not established.

**12.4. Mobility in soil**

Not additional information available

**12.5. Results of PBT and vPvB assessment**

vPvB Substances: None

PBT Substances: None

**12.6. Other adverse effects**

Not additional information available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Waste treatment methods :      Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal:      Dispose of this material and its container at hazardous or special waste recommendations collection point.  
Ecology - waste materials:      Dispose in a safe manner in accordance with local/national regulations.  
Avoid release to the environment.

**SECTION 14: Transport information****14.1. UN number**

UN-No. (ADR)      3077  
UN-No. (IMDG)      3077  
UN-No. (IATA)      3077  
UN-No. (ADN)      3077  
UN-No. (RID)      3077

**14.2. UN proper shipping name**

Proper Shipping Name (ADR): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. Proper

Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (IATA): Environmentally hazardous substance, solid, n.o.s.

Proper Shipping Name (ADN): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (RID): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Transport document description (ADR): UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S., 9, III, (E) Transport document description (IMDG): UN 3077 ENVIRONMENTALLY HAZARDOUS

SUBSTANCE, SOLID, N.O.S., 9, III, MARINE POLLUTANT

Transport document description (IATA): UN 3077 Environmentally hazardous substance, solid, n.o.s., 9, III

Transport document description (ADN): UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S., 9, III Transport document description (RID): UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

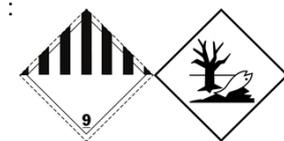
SOLID, N.O.S., 9, III

**14.3. Transport hazard class(es)**

**ADR**

Transport hazard class(es) (ADR) 9

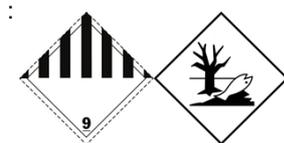
Danger labels (ADR) 9



**IMDG**

Transport hazard class(es) (IMDG) 9

Danger labels (IMDG) 9



**IATA**

Transport hazard class(es) (IATA) 9

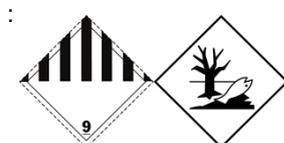
Hazard labels (IATA) 9



**ADN**

Transport hazard class(es) (ADN) 9

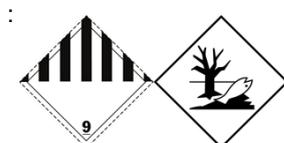
Danger labels (ADN) 9



**RID**

Transport hazard class(es) (RID) 9

Danger labels (RID) 9



**14.4. Packing group**

Packing group (ADR)	III
Packing group (IMDG)	III
Packing group (IATA)	III
Packing group (ADN)	III
Packing group (RID)	III

**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 code (ADR) : M7

Special provisions (ADR) : 274, 335, 601

Limited quantities (ADR) : 5kg

Excepted quantities (ADR): E1

Packing instructions (ADR): P002, IBC08, LP02, R001

Special packing provisions (ADR) : PP12, B3

Mixed packing provisions (ADR) : MP10

Portable tank and bulk container instructions (ADR) : T1, BK1, BK2

Portable tank and bulk container special provisions (ADR): TP33

Tank code (ADR): SGAV, LGBV

Vehicle for tank carriage : AT

Transport category (ADR) 3

Special provisions for carriage - Packages (ADR) : V13

Special provisions for carriage - Bulk (ADR) : VV1

Special provisions for carriage - Loading, unloading and handling (ADR): CV13

Hazard identification number (Kemler No.) 90



Orange plates :

Tunnel restriction code (ADR) : E

EAC code: 2Z

**Transport by sea**

Special provisions (IMDG) : 274, 335, 966, 967

Limited quantities (IMDG) : 5 kg

Excepted quantities (IMDG): E1

Packing instructions (IMDG): P002, LP02

Special packing provisions (IMDG): PP12

IBC packing instructions (IMDG): IBC08

IBC special provisions (IMDG): B3

Tank instructions (IMDG) : T1, BK1, BK2, BK3

Tank special provisions (IMDG): TP33

EmS-No. (Fire): F-A

EmS-No. (Spillage): S-F

Stowage category (IMDG): A

**Air transport**

PCA Excepted quantities (IATA): E1  
 PCA Limited quantities (IATA): Y956  
 PCA limited quantity max net quantity (IATA) : 30kgG  
 PCA packing instructions (IATA): 956  
 PCA max net quantity (IATA): 400kg  
 CAO packing instructions (IATA): 956  
 CAO max net quantity (IATA): 400kg  
 Special provisions (IATA): A97, A158, A179  
 ERG code (IATA): 9L

**Inland waterway transport**

Classification code (ADN): M7  
 Special provisions (ADN): 274, 335, 61  
 Limited quantities (ADN) : 5 kg  
 Excepted quantities (ADN): E1  
 Carriage permitted (ADN) : T\* B\*\*  
 Equipment required (ADN): PP, A  
 Number of blue cones/lights (ADN): 0  
 Additional requirements/Remarks (ADN): \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\*\*  
 Only in the case of transport in bulk.

**Rail transport**

Classification code (RID): M7  
 Special provisions (RID) : 274, 335, 601  
 Limited quantities (RID) : 5kg  
 Excepted quantities (RID) : E1  
 Packing instructions (RID) : P002, IBC08, LP02, R001  
 Special packing provisions (RID): PP12, B3  
 Mixed packing provisions (RID): MP10  
 Portable tank and bulk container instructions (RID): T1, BK1, BK2  
 Portable tank and bulk container special provisions (RID): TP33  
 Tank codes for RID tanks (RID): SGAV, LGBV  
 Transport category (RID): 3  
 Special provisions for carriage – Packages (RID): W13  
 Special provisions for carriage – Bulk (RID) : VW1  
 Special provisions for carriage - Loading, unloading and handling (RID): CW13, CW31  
 Colis express (express parcels) (RID) : CE11  
 Hazard identification number (RID) 90

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

Not available

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulations**

REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No

793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

COMMISSION REGULATION (EU) 2015/830 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

#### National Regulations/legislation:

Refer to applicable national classification, packaging and labelling legislation.

#### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for the mixture.

### SECTION 16: Other information

#### (a) Reasons for revision:

Update to latest version of REACH.

Update of ingredient to 17<sup>th</sup> ATP.

#### (b) Abbreviations and acronyms:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
Acute Tox. 3 (inhal.):	Acute Toxicity (Inhalation) Category 3
Acute Tox. 4 (Oral):	Acute Toxicity (Oral) Category 4
Aquatic Acute 1:	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 2:	Carcinogen Category 2
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labelling, Packaging.
CSR:	Chemical safety report
DNEL:	Derived No Effect Level.
EC50:	Effective Concentration 50%
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population.
N.A.:	Not available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
Skin Sens.1:	Skin Sensitiser Category 1
STEL:	Short Term Exposure limit.

## SAFETY DATA SHEET according to Regulation (EC) 2015/830



Issue date: 22/06/2023  
Revision: 02  
Version: 03  
Replaces: SDS dated 05.09.2015 / 0002

STOT SE1: Specific Target Organ Toxicity Single Exposure Category 1.  
TLV: Threshold Limiting Value.  
TWA: Time-weighted average  
UN: United Nations  
vPvB very persistent and very bioaccumulative  
WGK: German Water Hazard Class.

### (c) Key literature references and sources for data:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

### (d) Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400 Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410	Classification according to calculation expert judgement.

### (e) Relevant H-statements and precautionary statements not written out in full under Sections 2 to 15:

H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H331 Toxic if inhaled.  
H351 Suspected of causing cancer.  
H370 Causes damage to organs.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

### (f) Training advice:

Employee instruction/training in handling hazardous materials is required.

### (g) Further information:

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 2015/830.  
General occupational hygiene training recommended.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product