

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

1.1. Product identifier

Trade name or designation of the mixture	Agita 10 WG
Registration number	-
Synonyms	Agita 10 WG * A-11234 A * AGITA 100 PLUS * AGITAGARD 10 WG
Item Code	MN4325

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

Identified uses	Insecticide
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

National Supplier

Company name	Elanco Europe Ltd.
Address	Lilly House, Priestley Road Basingstoke RG24 9NL United Kingdom
Telephone	+44 1256 353131
e-mail	elanco_msds@elanco.com
Emergency telephone number	CHEMTREC International +1-703-527-3887 Giftnotrufzentrale +49 (0) 3030686790

1.4. Information on operation hours	24 hours
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Environmental hazards

Hazardous to the aquatic environment, acute aquatic hazard	Category 1	H400 - Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term aquatic hazard	Category 1	H410 - Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: THIAMETHOXAM

Hazard pictograms



Signal word: Warning

Hazard statements

H410: The mixture does not meet the criteria for classification. Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102	Keep out of reach of children.
P103	Read label before use.
P273	Avoid release to the environment.

Response

P101	If medical advice is needed, have product container or label at hand.
P391	Collect spillage.
Storage	Not available.
Disposal	
P501	Dispose of contents/container to an approved incineration plant
Supplemental label information	None.
2.3. Other hazards	None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
THIAMETHOXAM	10 - < 20	153719-23-4 428-650-4	-	613-267-00-9	M=10
Classification:	Flam. Sol. 1;H228, Acute Tox. 4;H302, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
(Z)-9-TRICOSENE	0,01 - 0,1	27519-02-4 248-505-7	-	601-089-00-4	
Classification:	Skin Sens. 1B;H317				

List of abbreviations and symbols that may be used above

M: M-factor

Composition comments Remaining components of this product are non-hazardous and/or are present at concentrations below reportable levels.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

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

None known.

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

Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards

No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	Use water spray to cool unopened containers.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
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For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Store at: 2 - 30 C.
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Occupational Exposure Limit: 0.042 mg/m ³ 8 hour TWA (Active ingredient) (Novartis)
Derived no effect levels (DNELs)	Not available.
Predicted no effect concentrations (PNECs)	Not available.

8.2. Exposure controls

Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
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Individual protection measures, such as personal protective equipment

General information	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves.
- Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Not available.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Granular.
Physical state	Solid.
Form	Solid.
Colour	White or Beige.
Odour	Odourless.
Odour threshold	Not available.
pH	6,8 - 8,8
Melting point/freezing point	139,1 °C (282,38 °F) estimated
Initial boiling point and boiling range	Not available.
Flash point	Not applicable.
Evaporation rate	Not applicable.

Flammability (solid, gas)	Not a flammable solid
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	0,000005 hPa estimated
Vapour density	Not applicable.
Relative density	Not available.
Solubility(ies)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not explosive
Oxidising properties	The substance or mixture is not classified as oxidizing.

9.2. Other information

Density	0,50 - 0,70 g/cm3
Miscible (water)	miscible
Specific gravity	1,57 estimated

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Not available.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information Not available.

11.1. Information on toxicological effects

Product	Species	Test results
Agita 10 WG		
<u>Acute</u>		
Dermal	Rat	> 2000 mg/kg
Oral	Rat	> 5000 mg/kg
Components	Species	Test results
THIAMETHOXAM (CAS 153719-23-4)		
<u>Acute</u>		
Dermal	Rat	> 2000 mg/kg
Inhalation	Rat	> 3720 mg/m ³
Oral	Rat	1563 mg/kg
Skin corrosion/irritation		
Irritation Corrosion - Skin		
Agita 10 WG		Result: No irritation Species: Rabbit
THIAMETHOXAM		Result: No irritation Species: Rabbit

Serious eye damage/eye irritation

Eye

Agita 10 WG

Result: No irritation

Species: Rabbit

THIAMETHOXAM

Result: No irritation

Species: Rabbit

Respiratory sensitisation

Due to partial or complete lack of data the classification is not possible.

Skin sensitisation

This product is not expected to cause skin sensitisation.

Sensitisation

Agita 10 WG

Result: negative

Species: Guinea pig

THIAMETHOXAM

Result: negative

Species: Guinea pig

Germ cell mutagenicity

Germ cell mutagenicity: Ames test

THIAMETHOXAM

Result: negative

Germ cell mutagenicity: Chromosome aberration

THIAMETHOXAM

Result: negative

Mutagenicity

THIAMETHOXAM

(micronucleus test)

Result: negative

Species: Mouse

Carcinogenicity

Due to partial or complete lack of data the classification is not possible.

Reproductive toxicity

Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - single exposure

Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure

Due to partial or complete lack of data the classification is not possible.

Aspiration hazard

Not available.

Mixture versus substance information

No information available.

Other information

Not available.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

Components

Species

Test results

THIAMETHOXAM (CAS 153719-23-4)

Acute

	EC50	Daphnia magna (Cloeon sp.)	0,014 mg/l, 48 h
Other	LD50	Duck	576 mg/kg, 14 d
		Quail	1552 mg/kg, 14 d

Aquatic

Acute

Algae	EbC50	Green algae (Selenastrum capricornutum)	> 81,8 mg/l, 72 h
	ErC50	Green algae (Selenastrum capricornutum)	> 81,8 mg/l, 72 h
Crustacea	EC50	Daphnia magna	> 100 mg/l, 48 h
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	> 100 mg/l, 96 h
Other	EC50	Sewage Microorganisms	> 100 mg/l, 3 h (activated sewage sludge)

Terrestrial

Acute

Other	LC50	Earthworm (Eisenia foetida)	> 1000 mg/kg, 14 d
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12.2. Persistence and degradability

The product is not readily biodegradable.

12.3. Bioaccumulative potential

**Partition coefficient
n-octanol/water (log Kow)**

THIAMETHOXAM

-0,13, at 25 °C

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

**12.5. Results of PBT
and vPvB
assessment** Not available.

12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

Disposal methods/information Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

General information Effective January 1, 2015 by Special Provision, UN3077 and UN3082 when packaged in inner packages of 5L / 5 KG or less are not subject to the dangerous goods regulations.

ADR

14.1. UN number UN3077

**14.2. UN proper shipping
name** Environmentally hazardous substance, solid, n.o.s. (THIAMETHOXAM)

14.3. Transport hazard class(es)

Class 9

Subsidiary risk -

Label(s) 9

Hazard No. (ADR) 90

Tunnel restriction code E

14.4. Packing group III

14.5. Environmental hazards Yes

**14.6. Special precautions
for user** Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number UN3077

**14.2. UN proper shipping
name** Environmentally hazardous substance, solid, n.o.s. (THIAMETHOXAM)

14.3. Transport hazard class(es)

Class 9

Subsidiary risk -

Label(s) 9

14.4. Packing group III

14.5. Environmental hazards Yes

**14.6. Special precautions
for user** Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number UN3077

**14.2. UN proper shipping
name** Environmentally Hazardous Solid, N.o.s. (THIAMETHOXAM)

14.3. Transport hazard class(es)

Class 9

Subsidiary risk -

Label(s) 9

14.4. Packing group III

14.5. Environmental hazards Yes

**14.6. Special precautions
for user** Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number UN3077

**14.2. UN proper shipping
name** Environmentally hazardous substance, solid, n.o.s. (THIAMETHOXAM)

14.3. Transport hazard class(es)

Class 9

Subsidiary risk -

14.4. Packing group III

14.5. Environmental hazards Yes

ERG Code 9L

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

IMDG

14.1. UN number UN3077

14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (THIAMETHOXAM)

14.3. Transport hazard class(es)

Class 9

Subsidiary risk -

14.4. Packing group III

14.5. Environmental hazards

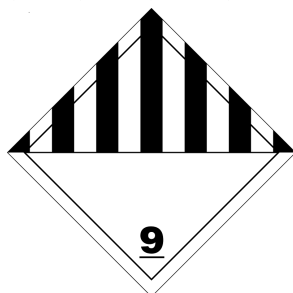
Marine pollutant Yes

EmS F-A, S-F

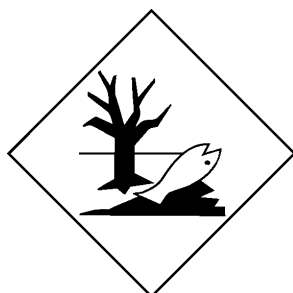
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

THIAMETHOXAM (CAS 153719-23-4)

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

Water hazard class

VwVwS

WGK3

SECTION 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H228 Flammable solid.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

ELANCO Lab Code

Health: 0
Fire: 1
Reactivity: 0

Revision information

Product and Company Identification: Alternate Trade Names

Disclaimer

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