



SAFETY DATA SHEET

1. Identification

Product identifier Agita 10 WG

Other means of identification

Item Code MN4325

Synonyms Agita 10 WG * A-11234 A * AGITA 100 PLUS * AGITAGARD 10 WG

Recommended use Insecticide

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name Elanco Animal Health

Division Eli Lilly Canada Inc.

Address Research Park Center
150 Research Lane, Suite 120
Guelph, ON N1G 4T2

Country Canada

Telephone +1+317-276-2000

e-mail lilly_msds@lilly.com

Dangerous Goods Emergency CANUTEC (24 HR) 1-613-996-6666

Supplier Not available.

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
THIAMETHOXAM	Thiamethoxam Tech. Bulk Kg 3-(2-chloro-thiazol-5-ylmethyl)-5-methyl-[1,3,5]oxadiazinan-4-ylidene-Nnitroamine Thiamethoxam Tech.	153719-23-4	10
(Z)-9-TRICOSENE		27519-02-4	0.01 - 0.1

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

4. 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.
Most important symptoms/effects, acute and delayed	None known.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

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.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials 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. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Observe good industrial hygiene practices.
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.

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	Novartis Internal Exposure Limit (NPIEL): 0.042 mg/m ³ 8 hour TWA (Active ingredient)
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.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Face shield is recommended. Wear safety glasses with side shields (or goggles). If contact is likely, safety glasses with side shields are recommended. Eye wash fountain is recommended. Not normally needed.
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. No personal respiratory protective equipment normally required.

Thermal hazards	Not available.
General hygiene considerations	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.

9. 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 available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not a flammable solid
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	0.000005 hPa estimated
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.50 - 0.70 g/cm ³
Explosive properties	Not explosive
Miscible (water)	miscible
Oxidising properties	The substance or mixture is not classified as oxidizing.
Specific gravity	1.57 estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on toxicological effects

Acute toxicity

Product	Species	Test results
Agita 10 WG		
Acute		
Dermal	Rat	> 2000 mg/kg
Oral	Rat	> 5000 mg/kg
Components	Species	Test results

THIAMETHOXAM (CAS 153719-23-4)

Acute		
Dermal	Rat	> 2000 mg/kg
Inhalation	Rat	> 3720 mg/m ³
Oral	Rat	1563 mg/kg
Skin corrosion/irritation	Not available.	
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 or skin sensitisation		
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	Not available.	
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	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. 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 an aspiration hazard.
Chronic effects Not expected to be hazardous by WHMIS criteria.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Components		Species	Test results
THIAMETHOXAM (CAS 153719-23-4)			
<i>Acute</i>			
	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			
<i>Acute</i>			
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			
<i>Acute</i>			
Other	LC50	Earthworm (Eisenia foetida)	> 1000 mg/kg, 14 d

Persistence and degradability The product is not readily biodegradable.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

THIAMETHOXAM -0.13, at 25 °C

Mobility in soil No data available.

Other adverse effects Not available.

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.

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.

TDG

UN number UN3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s. (THIAMETHOXAM)
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

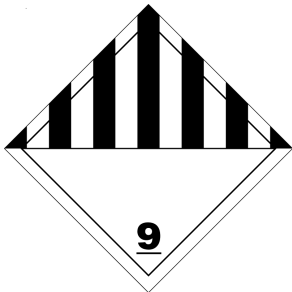
UN number UN3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s. (THIAMETHOXAM)
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes

ERG Code 9L
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.

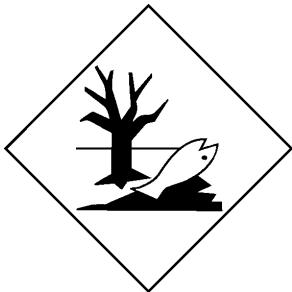
IMDG

UN number UN3077
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (THIAMETHOXAM)
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-A, S-F
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

IATA; IMDG; TDG



Marine pollutant



15. Regulatory information

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date	15-August-2016
Revision date	03-November-2016
Version No.	02
Further information	HMIS® is a registered trade and service mark of the NPCA.

Disclaimer

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For additional information contact:

Elanco Animal Health
0011+1-877-352-6261
0011+1-800-428-4441

Revision information Product and Company Identification: Alternate Trade Names