



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
2500 Innovation Way
Greenfield, IN 46140
US

Phone: 1-877-Elanco1 (1-877-352-6261)

Email: lilly_msds@lilly.com

Emergency Telephone Numbers: Elanco Product Technical Support / Human or Animal Exposure Reporting:
1-888-545-5973

Transportation Emergency Telephone: CHEMTREC: 1-800-424-9300
(Outside U.S. 1-703-527-3887)

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined 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.

Hazard(s) not otherwise classified (HNOC) 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 | Elanco OEL: 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 | 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. |

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. |
| Color | White or Beige. |
| Odor | Odorless. |
| Odor threshold | Not available. |
| pH | 6.8 - 8.8 |
| Melting point/freezing point | Not available. |
| 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. |
| Vapor pressure | Not available. |
| Vapor 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 |
| Oxidizing properties | The substance or mixture is not classified as oxidizing. |

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 polymerization does not occur. |
| Conditions to avoid | Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing 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

Serious eye damage/eye irritation

Eye

Agita 10 WG

Result: No irritation
Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitization

Not available.

Skin sensitization

This product is not expected to cause skin sensitization.

Sensitization

Agita 10 WG

Result: negative
Species: Guinea pig

Germ cell mutagenicity

Not available.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity

Not available.

Specific target organ toxicity - single exposure

Not available.

Specific target organ toxicity - repeated exposure

Not available.

Aspiration hazard

Not an aspiration hazard.

12. Ecological information

Ecotoxicity

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

THIAMETHOXAM (CAS 153719-23-4)

Acute

| | | |
|------|----------------------------|------------------|
| EC50 | Daphnia magna (Cloeon sp.) | 0.014 mg/l, 48 h |
|------|----------------------------|------------------|

| | | |
|-------|------|-----------------|
| Other | Duck | 576 mg/kg, 14 d |
|-------|------|-----------------|

| | | |
|--|-------|------------------|
| | Quail | 1552 mg/kg, 14 d |
|--|-------|------------------|

| Components | | Species | Test Results |
|--------------------|-------|---|---|
| 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.

DOT

Not regulated as dangerous goods.

IATA

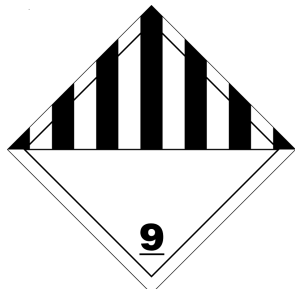
UN number UN3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s. (THIAMETHOXAM)
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes
ERG Code 9L
Special precautions for user Read safety instructions, SDS and emergency procedures before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



Marine pollutant



15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|-------------------------------------|------------------------|
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |

| Country(s) or region | Inventory name | On inventory (yes/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, including date of preparation or last revision

| | |
|---------------|------------|
| Issue date | 03-29-2016 |
| Revision date | 02-01-2017 |
| Version # | 04 |

| | |
|----------------|---------------------------------------|
| Lilly Lab Code | Health: 0 Fire: 1 Reactivity: 0 |
|----------------|---------------------------------------|

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For additional information contact:
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0011+1-800-428-4441

| | |
|----------------------|---|
| Revision information | Exposure controls/personal protection: Exposure guidelines Physical & Chemical Properties: Multiple Properties |
|----------------------|---|