

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

1.1. Product identifier

Product form : Mixture
Product name : KANEMITE® 15 SC MITICIDE

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

Use of the substance/mixture : Acaracide

1.3. Details of the supplier of the safety data sheet

Arysta LifeScience North America LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513 – USA

Arysta LifeScience
400 Michener Road, Unit 2
Guelph, Ontario
N1K 1E4

1.4. Emergency telephone number

Emergency number : Exposure Calls (PROSAR): +1-866-303-6952 or +1-651-603-3432 (international)
Spill Calls (CHEMTREC) (Contract # CCN1779): +1-800-424-9300 or +1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS classification

Acute Tox. 4 (Inhalation:dust,mist) H332
STOT SE 1 H370
STOT RE 2 H373
Full text of H statements : see section 16

2.2. Label elements

GHS labelling

Hazard pictograms (GHS) :



Signal word (GHS) : Danger
Hazard statements (GHS) : H332 - Harmful if inhaled
H370 - Causes damage to organs
H373 - May cause damage to organs through prolonged or repeated exposure
Precautionary statements (GHS) : P260 - Do not breathe mist, spray, vapours
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P307+P311 - If exposed: Call a poison center/doctor
P314 - Get medical advice/attention if you feel unwell
P321 - Specific treatment (see First aid measures on this label)
P405 - Store locked up
P501 - Dispose of contents/container to an authorised waste collection point

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS)

5.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
5.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
5.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

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Canada Hazardous Product Regulation (HPR)

3.2. Mixture

Name	Product identifier	% (w/w)	GHS classification
3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (Main constituent)	(CAS No) 57960-19-7	15.8	Skin Sens. 1, H317 STOT SE 1, H370 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician.
- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Wash with plenty of soap and water.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

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

- Symptoms/injuries : Causes damage to organs (whole body, liver, blood). May cause damage to organs (whole body, liver, blood) through prolonged or repeated exposure.
- Symptoms/injuries after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.

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

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No particular fire or explosion hazard.
- Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

- Firefighting instructions : Cool adjacent structures and containers with water spray to protect and prevent ignition. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Wear fire/flammable resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid all eye and skin contact and do not breathe vapour and mist. Process enclosures, closed systems, and local exhaust ventilation should be used to control exposures.

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable gloves. In case of inadequate ventilation wear respiratory protection.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Wear suitable gloves. In case of inadequate ventilation wear respiratory protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Prevent dispersion.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb and/or contain spill with inert material, then place in suitable container.

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Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up in non-combustible absorbent material and shove into container for disposal.

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe mist, spray, vapours. Use only outdoors or in a well-ventilated area.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Do not store near food, foodstuffs, drugs, or potable water supplies. Keep only in original container. Keep container tightly closed.
Incompatible products : None known.
Storage area : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

Acaracide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

KANEMITE® 15 SC MITICIDE	
ACGIH	Not applicable
OSHA	Not applicable
3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (57960-19-7)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls : Avoid creating mist or spray. Avoid splashing. Ensure good ventilation of the work station.
Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear suitable protective clothing and gloves. Impermeable protective nitrile gloves.
Eye protection : Chemical goggles or safety glasses.
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear appropriate mask. Use an approved respirator equipped with oil/mist cartridges.
Other information : Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : pale Yellow
Odour : Detergent-like.
Odour threshold : No data available
pH : 7.1
Melting point : No data available
Freezing point : No data available
Boiling point : 100 °C
Flash point : > 93 °C
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
Explosive limits : No data available
Explosive properties : No data available
Oxidising properties : No data available

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Vapour pressure	: No data available
Relative density	: 1.02 - 1.05 @ 20 °C
Relative vapour density at 20 °C	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 405.95 cP

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and noxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	: Inhalation; Skin and eye contact
Acute toxicity	: Inhalation:dust,mist: Harmful if inhaled.

KANEMITE® 15 SC MITICIDE	
LD50 oral rat	5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	4.49 mg/l/4h
ATE US (oral)	5000.000 mg/kg bodyweight
ATE US (vapours)	4.490 mg/l/4h
ATE US (dust,mist)	4.490 mg/l/4h

Skin corrosion/irritation	: Not classified (Not irritating to rabbits on cutaneous application)
Serious eye damage/irritation	: Not classified (Slightly irritating to eyes)
Respiratory or skin sensitisation	: Not classified. (No sensitizing reaction was observed for guinea pigs)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Causes damage to organs.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

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Symptoms/injuries after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

KANEMITE® 15 SC MITICIDE

LC50 fish 1	65 mg/l 96 h <i>Oncorhynchus mykiss</i>
LC50 other aquatic organisms 1	0.93 mg/l 96 h <i>Pseudokirchneriella subcapitata</i>
EC50 Daphnia 1	0.0154 mg/l 48 h
EC50 Daphnia 2	0.00236 mg/l 48 h

12.2. Persistence and degradability

KANEMITE® 15 SC MITICIDE

Persistence and degradability	Not rapidly degradable. May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (57960-19-7)

BCF fish 1	366
Log Pow	6.2

12.4. Mobility in soil

KANEMITE® 15 SC MITICIDE

Ecology - soil	Immobile in soil.
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3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (57960-19-7)

Mobility in soil	Immobile in soil
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of in authorized waste collection plant.
Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Disposal via incineration is recommended.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not considered a dangerous good for transport regulations

Additional information

Other information : No supplementary information available.

ADR

Transport document description : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acequinocyl), 9, III, (E)
Packing group (ADR) : III
Class (ADR) : 9 - Miscellaneous dangerous substances and articles
Hazard identification number (Kemler No.) : 90
Classification code (ADR) : M6
Danger labels (ADR) : 9 - Miscellaneous dangerous substances and articles



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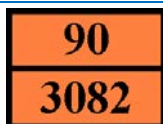
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Canada Hazardous Product Regulation (HPR)

Orange plates

:



Tunnel restriction code (ADR)

: E

Limited quantities (ADR)

: 5I

Excepted quantities (ADR)

: E1

Transport by sea

IMDG

Transport hazard class(es) (IMDG)

: 9

Danger labels (IMDG)

: 9

: Yes



UN-No. (IMDG)

: 3082

Proper Shipping Name (IMDG)

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acequinocyl)

Class (IMDG)

: 9 - Miscellaneous dangerous substances and articles

Packing group (IMDG)

: III - substances presenting low danger

EmS-No. (Fire)

: F-A

EmS-No. (Spillage)

: S-F

Air transport

IATA

Transport hazard class(es) (IATA)

: 9

Hazard labels (IATA)

: 9

: Yes



UN-No. (IATA)

: 3082

Proper Shipping Name (IATA)

: Environmentally hazardous substance, liquid, n.o.s. (Acequinocyl)

Class (IATA)

: 9 - Miscellaneous Dangerous Goods

Packing group (IATA)

: III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (57960-19-7)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (57960-19-7)

Not listed on the Canadian DSL (Domestic Substances List) inventory

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EU-Regulations

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (57960-19-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (57960-19-7)

Not listed on the Canadian Non-Domestic Substances List (NDSL)

15.3. US State regulations

No additional information available

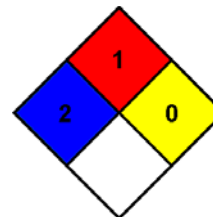
SECTION 16: Other information

Revision date	: 02/25/2016
Data sources	: European Chemicals Agency (ECHA) Registered Substances list. Accessed at http://echa.europa.eu/ . Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. 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. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html .
Abbreviations and acronyms	: ACGIH (American Conference of Government Industrial Hygienists). ATE: Acute Toxicity Estimate. CAS (Chemical Abstracts Service) number. CLP: Classification, Labelling, Packaging. EC50: Environmental Concentration associated with a response by 50% of the test population. GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). LD50: Lethal Dose for 50% of the test population. OSHA: Occupational Safety & Health Administration. TSCA: Toxic Substances Control Act.
Other information	: None.

Full text of H-statements:

H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Indication of changes:
Transport information.

Redstone SDS USCAN (GHS) for Arysta

SDS Prepared by: The Redstone Group, LLC.
6077 Frantz Rd
Suite 206

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Canada Hazardous Product Regulation (HPR)

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product