

Safety Data Sheet

according to 1907/2006/EC, Article 31

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

1.1. Product identifier

Product Name	KANEMITE 15 SC
Synonym(s)	KANEMITE, KANEMITE SC, KANEMITE 15% SC, KANEMITE SC 15%, ACEQUINOCYL 15 SC, ACEQUINOCYL 15% SC
Product Number	AK2002E

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

Identified uses:	Acaricide
Uses advised against:	No information

1.3. Details of the supplier of the safety data sheet

Name of supplier:	
Company	AGRO-KANESHO CO., LTD.
Address	7F Akasaka Shasta-east, 2-19, Akasaka 4-chome, Minato-ku, Tokyo, Japan, 107-0052
Telephone number	+81-3-5570-4711
Fax number	+81-3-5570-4708
e-mail address	toiawase@agrokanesho.co.jp

Name of manufacturer in Japan:

Company	AGRO-KANESHO CO., LTD.
Address	7F Akasaka Shasta-east, 2-19, Akasaka 4-chome, Minato-ku, Tokyo, Japan, 107-0052
Telephone number	+81-3-5570-4711
Fax number	+81-3-5570-4708
e-mail address	toiawase@agrokanesho.co.jp

1.4. Emergency telephone number +81-3-5570-4711

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
STOT RE 2: H373 (blood system)
Aquatic Acute 1: H400
Aquatic Chronic 1: H410

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Pictogram



Signal word Warning

Hazard statements

H373: May cause damage to the blood system through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements

[Prevention]

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P260: Do not breathe mist/vapours/spray.
P273: Avoid release to the environment.

[Emergency response]

P314: Get medical advice/attention if you feel unwell.

P391: Collect spillage.

[Disposal]

P501: Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Additional information:

Contains acequinocyl (ISO), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1).

To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards**According to Regulation (EC) No 1272/2008**

See section 12 - Results of PBT and vPvB assessment.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

3.2. Mixtures**Product Name:**

KANEMITE 15 SC

Chemical nature:

Crop protection product, acaricide, suspension concentrate (SC)

Information on ingredients:

Chemical name	CAS No./ EC No./ Index No.	REACH Registration No.*	Concentration (wt %)	Classification**	Specific Concentration limits, M-Factor
Acequinocyl (ISO)	57960-19-7/ 611-595-7/ 606-144-00-6	-	10 - 20	Skin Sens. 1: H317 STOT SE 1: H370 (lung) (inhalation) STOT RE 2: H373 (blood system) Aquatic Acute 1: H400 Aquatic Chronic 1: H410	M = 1000
Propane-1,2-diol	57-55-6/ 200-338-0/ -	-	2 - 5	-	-
Bronopol (INN)	52-51-7/ 200-143-0/ 603-085-00-8	-	< 1	Acute Tox. 4: H302 Acute Tox. 4: H312 Skin Irrit. 2: H315 Eye Dam. 1: H318 STOT SE 3: H335 Aquatic Acute 1: H400	M = 10
reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9/ -/ 613-167-00-5	-	< 1	Acute Tox. 3: H301 Acute Tox. 3: H311 Skin Corr. 1B: H314 Skin Sens. 1: H317 Acute Tox. 3: H331 Aquatic Acute 1: H400 Aquatic Chronic 1: H410	Skin Sens. 1; H317 : C ≥ 0.0015% Skin Corr. 1B; H314 : C ≥ 0.6% Eye Irrit. 2; H319 : 0.06% ≤ C < 0.6% Skin Irrit. 2; H315 : 0.06% ≤ C < 0.6%

* Registration numbers of ingredients which shall be in compliance with Regulation (EC) No 1907/2006 will be filled in later.

** Full texts of relevant hazard statements and risk phrases can be seen in SECTION 16 of this SDS.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air and to be sure call for a doctor.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

If contact lenses are worn, remove after 5 minutes of rinsing, then continue rinsing.

After swallowing:

Do not induce vomiting; call for medical help immediately and show this material safety data sheet.
Rinse mouth with plenty of water; do not swallow.

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

No further relevant information available.

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

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media:

Water with full jet

5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be released:

carbon oxides (CO, CO₂)

Nitrogen oxides (NO_x)

Sulfur oxides (SO_x)

Phosphor oxides (e.g. P₂O₅)

Metal oxides

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3. Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Do not inhale explosion gases or combustion gases.

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency**

Wear suitable protective equipment (see Section 8) e.g., safety gloves, protective mask and/or protective glasses to prevent exposure.

For emergency responders:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with spilled product or contaminated areas.

Avoid contamination with clothing.

Prevent formation of aerosols.

6.2. Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Disposal had to be accomplished in suitable receptacles.

If possible clean area with detergent and much water. Absorb wash liquid with absorbent and transfer to suitable containers for disposal.

Larger spills of the product which soak into the ground should be dug up and transferred to suitable containers for disposal.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Wear personal protection equipment.
Immediately remove all soiled and contaminated clothing
Wash contaminated clothing before reuse.
Wash hands before breaks and at the end of work.
Do not eat, drink or smoke in work areas.
Remove contaminated clothing and protective equipment before entering eating areas.

Information about fire - and explosion protection:

Protect from heat.
Keep ignition sources away - Do not smoke.

7.2. Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and receptacles:**

Keep containers tightly closed in a dry, cool and well-ventilated place.
Store only in the original receptacle.

Information about storage in one common storage facility:

Do not store together with foodstuffs, beverages and feed.

Further information about storage conditions:

Protect from frost.
Store in the dark.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Keep out of reach for children.

Recommended storage temperature:

Store between 5 °C and 30 °C.

Storage class:

10 (TRGS 510): Combustible liquids

7.3. Specific end use(s):

Use only in accordance with the instruction manual.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Ingredients with limit values that require monitoring at the workplace:**

EU IOELV (2009): Not applicable
ACGIH TLV-TWA (2016): Not applicable
ACGIH TLV-STEL (2016): Not applicable

57-55-6 Propyleneglycol

WEL Long-term value: 150 ppm, 474 mg/m³ (total vapour and particulates), 10 mg/m³ (particulates)

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
Do not eat, drink, smoke or sniff while working.
Avoid contact with the eyes and skin.
Do not breath in aerosols.

Respiratory protection:

Respiratory single serving mask DIN EN 149 with filter FFP2

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Preventive skin protection by use of skin-protecting agents is recommended.
After use of gloves apply skin-cleaning agents and skin cosmetics.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommend are gloves made of:

Nitrile, recommended thickness of the material: > 0.11 mm

Penetration time of glove material

Penetration time 480 minutes (Permeation according to EN 374 Part 3: Level 6) e.g. for Dermatril ®

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection:

Protective suit against pesticides (DIN 32 781).

Sturdy shoes (e.g. rubber boots)

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	Fluid
Colour	Light yellow
Odour	Detergent like
Odour threshold	No information
pH	7.10 (CIPAC MT 75.2) ((1 g/l) at 22°C)
Melting point/freezing point	Not determined.
Initial boiling point and boiling range	> 100°C
Flash point	> 100°C (EEC A.9)
Evaporation rate	No information
Flammability (solid, gas)	No information
Upper/lower flammability or explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Relative density	1.04 g/L (OECD 109) (Density at 20°C)
Solubility (ies)	Solubility in / Miscibility with water: Dispersible.
Partition coefficient: n-octanol/water	No information
Auto-ignition temperature	Product is not selfigniting. (EEC A.15).
Decomposition temperature	No information
Viscosity	Dynamic at 20°C: 422 mPas (CIPAC MT 22) Kinematic at 40°C: 217 mm ² /s (CIPAC MT 22)
Explosive properties	Product does not present an explosion hazard (EEC A.14)
Oxidising properties	No information

9.2. Other information No further information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions:

No dangerous reactions known.

10.4. Conditions to avoid:

Extremes of temperature and direct sunlight.

10.5. Incompatible materials:

No further relevant information available.

10.6. Hazardous decomposition products:

No hazardous decomposition products if stored and used according to specifications.
See section 5 for information about hazardous decomposition products in case of fire.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity:**

Oral LD50 > 5000 mg/kg (rat) (OECD 401)

Dermal LD50 > 2000 mg/kg (rat) (OECD 402)

Inhalative LC50/4h > 4.56 mg/L (rat, mist) (OECD 403)

Primary irritant effect:

on the skin Not irritant (JMAFF 59 NohSan No. 3850).

on the eye Not irritant (JMAFF 59 NohSan No. 4200).

Sensitization:

Slight fully reversible effects observed (OECD 406, Magnusson & Kligman). Results were not regarded as being relevant for the classification.

Acute effects (acute toxicity, irritation and corrosivity)

Acute toxicity studies done with the product did not show specific organ toxicity.

Repeated dose toxicity

Acequinocyl: In several in-vivo studies with several species haemorrhages and haematological effects (including reversible effects on clotting) were observed.

SECTION 12: Ecological information**12.1. Toxicity****Toxicity to fish:**

LC50 (96 h) (flow-through) 65 mg a.i./L (rainbow trout) (OECD 203)

LC50 (96 h) (flow-through) > 68 mg a.i./L (Cyprinodon variegatus) (FIFRA 72-3, OPPTS 850.1075)

LC50 (96 h) (flow-through) > 90 mg a.i./L (Lepomis macrochirus) (FIFRA 72-3, OPPTS 850.1075)

LC50 (96 h) (semi-static) 633 mg/L (Cyprinus Carpio) (JMAFF)

Toxicity to aquatic invertebrate:

EC50 (48 h) (semi-static) 12 µg/L (daphnia magna) (OECD 202)

Toxicity to aquatic plant:

ErC50 (72 h) 34.4 mg/L (psuedokirchneriella subcapitata) (OECD 201)

12.2. Persistence and degradability

On the basis of the data for the active substances: Not easily biodegradable

12.3. Bioaccumulative potential

Acequinocyl:

log Pow: > 6.2 (25°C, pH-independent) ; BCF (fish): 366. (EFSA Journal 2013 ;11(5): 3212)

Not worth-mentioning accumulating in organisms

12.4. Mobility in soil

Acequinocyl is immobile in soil. (EFSA Journal 2013 ;11(5) :3212)

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects No further relevant information available.

Additional ecological information: Very toxic for water organisms.

General notes: Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Contaminated packaging

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the product.

Do not reuse packing for other products.

SECTION 14: Transport information**Land transport****ADR**

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains acequinocyl (ISO), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1))
Transport hazard class(es)	9
Packing group	III
Environmental hazards	yes
Special precautions for user	Hazard identification number: 90 Tunnel code: -

RID

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains acequinocyl (ISO), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1))
Transport hazard class(es)	9
Packing group	III
Environmental hazards	yes
Special precautions for user	None known

Inland waterway transport**ADN**

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains acequinocyl (ISO), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1))
Transport hazard class(es)	9
Packing group	III
Environmental hazards	yes
Special precautions for user	None known

Sea transport**IMDG**

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains acequinocyl (ISO), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1))
Transport hazard class(es)	9
Packing group	III
Environmental hazards	yes
Special precautions for user	Marine pollutant: yes EmS code: F-A, S-F

Air transport**IATA/ICAO**

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains acequinocyl (ISO), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1))
Transport hazard class(es)	9
Packing group	III
Environmental hazards	yes
Special precautions for user	None known

14.1. UN number

See corresponding entries for "UN number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code

No transport in bulk according to the IBC Code.

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

It must be excluded that plant protection products reach ground water, water course or sewage system. Therefore, they have to be stored like substances which are classified as Water Hazard Class 3. (Consequently, it is not necessary to classify plant protection products into Water Hazard Classes and to mark them in this case.)

15.2. Chemical safety assessment:

A chemical safety assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet was created in accordance with the Regulation (EU) No. 1907/2006.

Text of the hazard statements mentioned in Section 3

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H370: Causes damage to lung. (Inhalation)

H373: May cause damage to the blood system through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.