

First Companion SteelCoat Plus for Dogs

Material Safety Data Sheet

according to ANSI norm

Date: 30/01/2017

Supersedes:

Version: 1.0

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

1.1. Product identifier

Chemical type : Mixture
Trade name : First Companion SteelCoat Plus for Dogs
EPA registration number : 88052-15-92413

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Flea and tick control for dogs

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Aspen Veterinary
Resources
3155 W Heartland Drive
Liberty MO, 60468 USA

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the

1.4. Emergency telephone number

National Capital Poison Center at 1-800-222-1222 for emergency medical treatment information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This material is classified as hazardous under OSHA regulations

Emergency overview

Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
Causes damage to organs (Health) through prolonged or repeated exposure (oral)

GHS-US classification

Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT RE 1	H372

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US Labelling

Hazard symbols (GHS-US) :



GHS02

GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H372 - Causes damage to organs (Health) through prolonged or repeated exposure (oral)

Precautionary statements (GHS-US) :

P260 - Do not breathe vapours
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

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lenses, if present and easy to do. Continue rinsing

P314 - Get medical advice and attention if you feel unwell

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards not contributing to the classification : None, to our knowledge.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Mixture based on glycolic solvent containing fipronil (phenylpyrazole family) and methoprene (juvenile hormone mimics).

Name	Product identifier	% Composition
Fipronil	(CAS No.) 120068-37-3; (EC index no) 608-055-00-8	10
Methoprene	(CAS No.) 40596-69-8; (EC no) 254-993-2	< 10

Full text of H-phrases: see section 16

For OELs: see Section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Keep victim warm and rested
Move the affected person away from the contaminated area and into the fresh air
Seek medical advice.
- First-aid measures after skin contact : Wash with soapy water
If on skin and if skin irritation occurs, seek medical advice and attention.
- First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open
If irritation persists, consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water
Do not induce vomiting
Seek medical advice immediately
Have the product container or label and this MSDS with you when calling a poison control center or doctor, or going for treatment.

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

- Symptoms/injuries after inhalation : Headache. Nausea.
- Symptoms/injuries after eye contact : Eye irritation.
- Symptoms/injuries after ingestion : Digestive disorder. Neurologic disorder.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray
Alcohol resistant foam.
- Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Vapour mixes readily with air, forming explosive mixtures
On combustion or on thermal decomposition (pyrolysis) releases :
Carbon oxides (CO and CO₂)
Nitrogen oxides
Hydrogen fluoride
Hydrogen chloride.

5.3. Advice for firefighters

- Firefighting instructions : Cool the containers exposed to heat with a water spray
Contain the extinguishing fluids by bunding
Do not discharge into drains or the environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment
Self-contained breathing apparatus
Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Do not attempt to take action without suitable protective equipment
Avoid any direct contact with the product
Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment
For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate spillage area.

6.2. Environmental precautions

Do not allow product to spread into the environment. Contain the spilled material by bunding. If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade).

6.3. Methods and material for containment and cleaning up

For containment : Recover the product with inert absorbent material.
Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.
Other information : Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

For disposal of contaminated materials refer to sections 8 & 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station
Keep away from ignition sources (including static discharges)
Do not breathe vapours
Avoid any direct contact with the product.
Hygiene measures : Do not drink, eat or smoke in the workplace
Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation.
Storage conditions : Keep container tightly closed
Store in a cool, well-ventilated place
Keep away from incompatible materials
Store locked up.
Incompatible products : Strong oxidizing agents
Strong acids.
Strong bases.
Incompatible materials : Aluminum and its alloys
Copper and its alloys
Zinc and its alloys
Galvanized metals.
Packaging materials : Original packaging.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No specific limit

8.2. Exposure controls

Hand protection : Neoprene protective gloves
Butyl-rubber protective gloves
VITON gloves
(recommended if large volumes are handled).
Eye protection : Safety glasses
(recommended if large volumes are handled).
Skin and body protection : Protective clothing
(recommended if large volumes are handled).
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls : Take all necessary precautions to avoid the accidental release of the product outside, due to the rupture of containers or transfer systems.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: Yellow liquid
Physical state	: Liquid
Colour	: Yellow
Odour	: Non-characteristic
Odour threshold	: No data available
pH	: 5.5 – 6.0
Melting point	: No data available
Boiling point	: No data available
Flash point	: >150°C (closed cup)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not relevant
Explosive limits	: Not relevant
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.032 g/ml
Solubility	: Water: Miscible
Log Pow	: Not relevant (mixture) -0.8 – -0.15 (based on major component solvent) 3.5 - 4 (based on the active substance Fipronil) 5.5 (based on the active substance Methoprene)
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 34.3 cP @ 20°C; 15.48 cP @ 40°C
Explosive properties	: The active ingredients and inerts do not have chemical bond or functional groups associated with explosive chemicals.
Oxidising properties	: Non oxidizing material according to GHS criteria.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Vapour mixes readily with air, forming explosive mixtures.

10.4. Conditions to avoid

Remove all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents
Strong acids.
Strong bases.

10.6. Hazardous decomposition products

Carbon oxydes (CO, CO₂)
Nitrogen oxides
Hydrogen chloride
Hydrogen fluoride.

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SECTION 11: Toxicological information

No experimental study is available on the mixture. Information hereunder are based on our knowledge on components, and classification of the mixture is determined with the calculation method, according to GHS-US.

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled

First Companion SteelCoat Plus for Dogs	
ATE (oral)	750 mg/kg
ATE (dermal)	> 5,000 mg/kg
ATE (dust,mist)	3.6 mg/l (4h)

Fipronil (120068-37-3)	
LD50 oral rat	92 mg/kg
LD50 dermal rabbit	354 mg/kg
LC50 inhalation rat	0.36 mg/l

Methoprene (40596-69-8)	
LD50 oral rat	25000 mg/kg
LD50 dermal rabbit	3000 mg/kg

Irritation : Not classified (Based on available data, the classification criteria are not met)
Corrosivity : Not classified (Based on available data, the classification criteria are not met)
Sensitisation : Not classified (Based on available data, the classification criteria are not met)
Repeated dose toxicity : Toxic: danger of serious damage to health by prolonged exposure if swallowed.
Information on Effects: refer to section 4.

Fipronil (120068-37-3)	
NOAEL (oral,rat,90 days)	0.35 mg/kg bodyweight/day
NOAEL (dermal,rat/rabbit,90 days)	5 mg/kg bodyweight/day

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Toxicity for reproduction : Not classified (Based on available data, the classification criteria are not met)
Other information : No additional information available.

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SECTION 12: Ecological information

No experimental study is available on the mixture. Information hereunder are based on our knowledge on components.

12.1. Toxicity

Ecology - general : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Fipronil (120068-37-3)	
LC50 fish	0.0852 mg/l/96h (Lepomis macrochirus)
EC50 Daphnia	0.19 mg/l/48h
EC50 other aquatic organisms	0.068 mg/l/96h (Scenedesmus subspicatus)
NOEC (chronic)	90 mg/l (Oncorhynchus mykiss, 90 d)

Methoprene (40596-69-8)	
LC50 fish	> 50 mg/l/96h (Oncorhynchus mykiss)
EC50 Daphnia	0.89 mg/l/48h

12.2. Persistence and degradability

First Companion SteelCoat Plus for Dogs	
Persistence and degradability	Not relevant (mixture)

Diethylene glycol monoethyl ether (111-90-0)	
Persistence and degradability	Readily biodegradable.

Fipronil (120068-37-3)	
Persistence and degradability	Not readily biodegradable.

Methoprene (40596-69-8)	
Persistence and degradability	Rapidly degraded.

12.3. Bioaccumulative potential

First Companion SteelCoat Plus for Dogs	
Log Pow	Not relevant (mixture)

Fipronil (120068-37-3)	
Log Pow	3.5 - 4

Methoprene (40596-69-8)	
Log Pow	5.5 (estimated)

12.4. Mobility in soil

Fipronil (120068-37-3)	
Koc	427 - 1248 Considered to be adsorbed, therefore immobile.

Methoprene (40596-69-8)	
Koc	23000. Considered to be adsorbed, therefore immobile.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Discharging into rivers and drains is forbidden. Dispose of in accordance with relevant local regulations.

Additional information : Recycle following cleaning or dispose of at an authorized site. The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

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SECTION 14: Transport information

in accordance with DOT/ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

UN-No. : Not regulated for transport
DOT NA no. : Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name : Not regulated for transport
Transport document description : Not regulated for transport

14.3. Transport hazard class(es)

Department of Transportation (DOT) Hazard : Not regulated for transport
Hazard labels (DOT) : Not regulated for transport

14.4. Packing group

Packing group (DOT) : Not regulated for transport

14.5. Environmental hazards

Other information : Not applicable.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : Not regulated for transport
Classification code (ADR) : Not regulated for transport
Orange plates : Not regulated for transport
Tunnel restriction code : Not regulated for transport
LQ : Not regulated for transport
Excepted quantities (ADR) : Not applicable
DOT Special Provisions (49 CFR 172.102) : Not applicable
DOT Packaging Exceptions (49 CFR 173.xxx) :: Not applicable
DOT Packaging Non Bulk (49 CFR 173.xxx) : Not applicable t
DOT Packaging Bulk (49 CFR 173.xxx) : N Not applicable

14.6.2. Transport by sea (IMDG)

EmS-No. (1) : Not regulated for transport
DOT Vessel Stowage Location :: Not applicable
DOT Vessel Stowage Other : Not applicable

14.6.3. Air transport

Instruction "cargo" (ICAO/IATA) : Not regulated for transport
Instruction "passenger & cargo" (ICAO/IATA) : Not applicable
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : Not applicable
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : Not applicable

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

15.1.2. US-Regulations

FIFRA

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

HAZARDS TO HUMANS

CAUTION. Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

HAZARDS TO DOMESTIC ANIMALS

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For external use only. FOR USE ON DOGS AND PUPPIES ONLY. Do not use on puppies under 6 pounds or on puppies under 8 weeks of age. DO NOT USE ON CATS OR OTHER ANIMALS. Keep cats away from treated dogs for 24 hours. If applied to a cat or ingested by a cat, contact your veterinarian. Individual sensitivities, while rare, may occur after using ANY pesticide product. Dogs may experience some temporary irritation at the site of product application. If signs persist, or become more severe within a few days of application, consult a veterinarian. If your dog has an unusual reaction to the initial application, consult a veterinarian before repeating treatment. Certain medications can interact with pesticides. Consult a veterinarian before using on medicated, debilitated or aged dogs.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

TSCA inventory

All substances are listed on the United States TSCA (Toxic Substances Control Act) inventory, except Fipronil and Methoprene.

SARA Section 311/312 Hazard Classes

Immediate (acute) health hazard

Delayed (chronic) health hazard

15.1.3. National regulations

Regional legislation : All substances are listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

SECTION 16: Other information

Data sources : ECHA - European Chemical Agency. Toxicologic sheet of INRS (France) : 255 - 256. SDS of suppliers.

NFPA Rating :

NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Full text of H-phrases:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure

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.