



# FELIWAY<sup>®</sup> Spray

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Version: 5.0

Revision date: 07/23/2014

Supersedes: Version 4.0 – 02/04/2011

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

#### 1.1. Product identifier

Product form : Mixture  
Name : FELIWAY Spray

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

Use of the substance/mixture : Calming product for cats.  
Professional and Consumer use.  
The product is sprayed on furniture, cat's bedding and cat's transportation or hospitalisation cage. The volume per application ranges from 120µL to 140µL.

Uses advised against : See directions for use on package insert and box

#### 1.3. Details of the supplier of the safety data sheet

Ceva Santé Animale 10 Avenue de la Ballastière 33500 Libourne France +33 (0)5 57 55 40 40 <a href="mailto:contact@ceva.com">contact@ceva.com</a>	Ceva Animal Health, LLC 8735 Rosehill Rd Lenexa, KS 66215 USA 1 800 999 0297 <a href="mailto:contact.us@ceva.com">contact.us@ceva.com</a>
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#### 1.4. Emergency telephone number

Country	Official advisory body / Company	Address	Emergency number
UNITED STATES	CHEMTREC	-	+1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 2 H225  
Eye Irrit. 2A H319

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02

GHS07

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H225 Highly flammable liquid and vapour  
H319 Causes serious eye irritation

Precautionary statements (GHS-US) : P102 Keep out of reach of children  
P103 Read label before use  
P210 Keep away from heat/ sparks/open flames/hot surfaces. No smoking  
P305 + P351 If in eyes: Rinse cautiously with water for several minutes  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of container to hazardous or special waste collection point, in accordance with local regulation.

#### 2.3. Other hazards

Other hazards not contributing to the classification : May cause skin irritation.  
May cause respiratory irritation.

#### 2.4. Unknown acute toxicity (GHS-US)

No data available



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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Ethanol	(CAS No) 64-17-5	> 80	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
Pimelic acid	(CAS No) 111-16-0	< 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Azelaic acid	(CAS No) 123-99-9	< 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

Full text of H-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Move the affected person to the fresh air. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Wash with soapy water. In case of redness or irritation, call a doctor.
- 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. If you feel unwell, seek medical advice.

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

- Symptoms/injuries after skin contact : May cause slight irritation.
- Symptoms/injuries after eye contact : Serious eye irritation.
- Symptoms/injuries after ingestion : Potential headache, nausea.

#### 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 : Water spray. Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry powder.
- Unsuitable extinguishing media : Strong water jet.

#### 5.2. Special hazards arising from the chemicals

- Fire hazard : Highly flammable liquid and vapour.  
The vapours are denser than air and may travel along the ground. Distance ignition possible.  
Carbon oxides (CO and CO<sub>2</sub>) may be released.
- Reactivity : To our knowledge, the product does not present any particular risk, under normal conditions of use.

#### 5.3. Advice for firefighters

- Firefighting instructions : Cool down the containers exposed to heat with a water spray. Contain the extinguishing fluids by bunding.
- Protection during firefighting : Avoid inhalation of fumes. Do not attempt to take action without suitable protective equipment.  
Self-contained breathing apparatus and 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 : Avoid contact with skin and eyes. Do not breathe vapours. In case of important spillage : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid ignition sources.

##### 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 : Remove all sources of ignition. Ventilate spillage area.

#### 6.2. Environmental precautions

Do not allow product to spread into the environment. Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Take up liquid spill into absorbent material, e.g.: sand, earth, powdered limestone...  
Methods for cleaning up : Wash contaminated area with large amounts of water.  
Other information : Dispose of contaminated materials in accordance with current regulations.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapours. Remove all sources of ignition.  
Hygiene measures : Do not drink, eat or smoke in the workplace. 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 : Store in a dry, cool, well-ventilated area. Protect from heat and direct sunlight. Keep away from ignition sources.  
Incompatible materials : Strong acids. Strong oxidizing agents.  
Special rules on packaging : Keep only in original container.

#### 7.3. Specific end use(s)

No additional information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Ethanol (64-17-5)		
USA ACGIH	ACGIH STEL (ppm)	1000 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

#### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Hand protection : Butyl-rubber protective gloves are recommended.  
Eye protection : Sealed safety goggles are recommended.  
Skin and body protection : Protective non-flammable clothing if handling of large quantity of formulation.  
Respiratory protection : If the occupational exposure limit is exceeded : Breathing apparatus with filter.



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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 78 – 78.5 °C (Ethanol)
Flash point	: 13 °C (Ethanol)
Auto-ignition temperature	: 363 - 425 °C (Ethanol)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 5.9 kPa (20°C) (Ethanol)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: Soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: 3.3 - 19 vol % (Ethanol)

#### 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, under normal conditions of use.

#### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

Highly flammable liquid and vapour. The vapours are denser than air and may travel along the ground. Distance ignition possible.

#### 10.4. Conditions to avoid

Heat. Sparks. Open flame. Ignition sources.

#### 10.5. Incompatible materials

Strong acids. Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>).



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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Ethanol (64-17-5)	
LD50 oral rat	10470 mg/kg (95 %)
LC50 inhalation rat	117 - 125 mg/l/4h
ATE (oral)	6200 mg/kg bodyweight

Pimelic acid (111-16-0)	
LD50 oral rat	7000 mg/kg
ATE (oral)	7000 mg/kg

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Do not allow the product to be released into the environment.

Ethanol (64-17-5)	
LC50 fishes	> 10000 mg/l/96h (Leucidus idus)
EC50 Daphnia	9268 - 14221 mg/l/48h (Daphnia magna)

#### 12.2. Persistence and degradability

Persistence and degradability	Readily biodegradable.
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Ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	94 %

#### 12.3. Bioaccumulative potential

Ethanol (64-17-5)	
Log Pow	-0.31
Bioaccumulative potential	Bioaccumulation unlikely.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations.

Additional information : Empty the packaging completely prior to disposal. After cleaning, recycle or dispose of at an authorised site.



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### SECTION 14: Transport information

#### 14.1. UN number

UN-No. : 1170

#### 14.2. UN proper shipping name

Proper Shipping Name : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
Transport document description : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)

#### 14.3. Transport hazard class(es)

Class (UN) : 3 - Flammable liquids  
Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (UN) : 3



Hazard labels (DOT) : 3 - Flammable liquid



#### 14.4. Packing group

Packing group (UN) : II  
Packing group (DOT) : II - Medium Danger

#### 14.5. Environmental hazards

Other information : No

#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 33  
Classification code (UN) : F1  
Orange plates :



Special provision (ADR) : 144  
601  
Transport category (ADR) : 2  
Tunnel restriction code : D/E  
Limited quantities (ADR) : 1L  
Excepted quantities (ADR) : E2  
EAC code : 2YE

##### 14.6.2. Transport by sea

FS : F-E S-D  
IMDG Segregation code group : No  
Stowage and separation : Category A  
Flash Point : 13°C

##### 14.6.3. Air transport

Instruction "cargo" (ICAO)	Packaging Instr.	364	Net quantity max / packaging	60L
Instruction "passenger & cargo" (ICAO)	Packaging Instr.	Y 341	Net quantity max / packaging	1 L
	Packaging Instr.	353	Net quantity max / packaging	5L



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### 14.7. DOT

DOT Special Provisions (49 CFR 172.102)	: 24 - Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions	: Refer to 49 CFR 173.4b and 49 CFR 173.150
DOT Packaging Non Bulk	: Refer to 49 CFR 173.202
DOT Packaging Bulk	: Refer to 49 CFR 173.242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Pimelic acid (111-16-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Azelaic acid (123-99-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### Ethanol (64-17-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Pimelic acid (111-16-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Azelaic acid (123-99-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### EU-Regulations

#### Ethanol (64-17-5)

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

#### Pimelic acid (111-16-0)

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

#### Azelaic acid (123-99-9)

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

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225

Eye Irrit. 2 H319

Full text of H-phrases: see section 16



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### 15.3. US State regulations

Ethanol (64-17-5)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				

### SECTION 16: Other information

Data sources : SDS of suppliers. ECHA - European Chemical Agency. Toxicological sheet of INRS (France) : 48.

#### Full text of H-phrases

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

#### HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 3 Serious Hazard  
Physical : 0 Minimal Hazard  
Personal Protection : G

SDS US (GHS HazCom 2012)

*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*