

# SAFETY DATA SHEET



## Co-Ral® Fly & Tick Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007053      Date of last issue: -  
Date of first issue: 23.06.2020

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### SECTION 1. IDENTIFICATION

#### Product information

Product Name : Co-Ral® Fly & Tick Spray  
SDS Number : 122000007053

Use : Pesticide

#### Company

Elanco US Inc.  
2500 Innovation Way  
Greenfield, IN 46140  
USA  
+1-877-Elanco1(+1-877-3526261)  
elanco\_sds@elanco.com

**In case of emergency:** CHEMTREC International: +1 703-527-3887 (24 hours)


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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Oral) : Category 4  
Eye irritation : Category 2B  
Carcinogenicity : Category 1B

#### GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H320 Causes eye irritation.  
H350 May cause cancer.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON

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CENTER/doctor if you feel unwell. Rinse mouth.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Distillates (petroleum), catalytic reformer fractionator residue, low-boiling	68477-31-6	71,08
Naphthalene	91-20-3	17,795
Coumaphos Technical	56-72-4	6,15

## SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Not an expected entry route.

In case of skin contact : If skin reactions occur, contact a physician.

In case of eye contact : Flush eyes with water as a precaution.

If swallowed : In case of accidental ingestion, contact your regional poison center or physician immediately.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : No information available.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Fire may cause evolution of:  
Sulphur oxides  
Oxides of phosphorus  
Chlorine gas  
Hydrogen chloride gas  
Carbon oxides

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Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. No special precautions required.

Methods and materials for containment and cleaning up : Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : No special protective measures against fire required.

Advice on safe handling : Avoid formation of aerosol. Use with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

Recommended storage temperature : < 95 °F / < 35 °C

Further information on storage stability : Do not freeze.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Naphthalene	91-20-3	TWA	10 ppm	ACGIH
		TWA	10 ppm	ACGIH
		TWA	10 ppm 50 mg/m <sup>3</sup>	NIOSH REL
		TWA	10 ppm 50 mg/m <sup>3</sup>	NIOSH REL
		ST	15 ppm 75 mg/m <sup>3</sup>	NIOSH REL
		ST	15 ppm 75 mg/m <sup>3</sup>	NIOSH REL
		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA Z-1
		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA Z-1

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		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA P0
		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA P0
		STEL	15 ppm 75 mg/m <sup>3</sup>	OSHA P0
		STEL	15 ppm 75 mg/m <sup>3</sup>	OSHA P0
Coumaphos Technical	56-72-4	TWA (Inhalable fraction and vapor)	0,05 mg/m <sup>3</sup>	ACGIH
		TWA (Inhalable fraction and vapor)	0,05 mg/m <sup>3</sup>	ACGIH

### Personal protective equipment

- Respiratory protection : Recommended Filter type:  
Organic vapor with prefilter  
  
None required for consumer use of this product.
- Hand protection  
Material : Chemically resistant gloves.
- Remarks : None required for consumer use of this product.
- Eye protection : Safety glasses  
None required for consumer use of this product.
- Protective measures : Wear suitable protective equipment.  
Please consult label for end-user requirements.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : brown
- Odour : solvent-like
- Melting point / range : 10 °F / -12 °C
- Density : 1,02 g/cm<sup>3</sup> (68 °F / 20 °C)
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Explosive properties : No statements available.
- Oxidizing properties : No data available
- Impact sensitivity : No data available

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Minimum ignition energy : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : No data available

Possibility of hazardous reactions : No data available

Conditions to avoid : No data available

Incompatible materials : Oxidizing agents  
Bases

Hazardous decomposition products : Sulphur oxides  
Oxides of phosphorus  
Chlorine gas  
Hydrogen chloride gas  
Carbon oxides

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### **Product:**

Acute oral toxicity : LD50 (Rat): 395 mg/kg

Acute inhalation toxicity : (Rat): > 1,09 mg/l

Acute dermal toxicity : LD50 (Rabbit): > 3.000 mg/kg

##### **Components:**

###### **Naphthalene:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

###### **Coumaphos Technical:**

Acute oral toxicity : LD50 (Rat): 13 mg/kg  
Assessment: The component/mixture is highly toxic after single ingestion.

Acute dermal toxicity : LD50 (Rat): 860 mg/kg  
Assessment: The component/mixture is toxic after single contact with skin.

Acute toxicity (other routes of administration) : LD50 (Rat): 7500 µg/kg  
Application Route: Intraperitoneal

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### Skin corrosion/irritation

**Product:**

Result : Mild skin irritation

**Components:**

**Coumaphos Technical:**

Species : Rabbit  
Result : No skin irritation

### Serious eye damage/eye irritation

**Product:**

Result : Mild eye irritation

**Components:**

**Coumaphos Technical:**

Species : Rabbit  
Result : No eye irritation

### Respiratory or skin sensitisation

**Components:**

**Coumaphos Technical:**

Species : Guinea pig  
Result : Does not cause skin sensitisation.

### Carcinogenicity

**Components:**

**Distillates (petroleum), catalytic reformer fractionator residue, low-boiling:**

Carcinogenicity - Assessment : Possible human carcinogen

**Naphthalene:**

Carcinogenicity - Assessment : Limited evidence of a carcinogenic effect.

<b>IARC</b>	Group 2B: Possibly carcinogenic to humans	
	Naphthalene	91-20-3
	Group 2B: Possibly carcinogenic to humans	
	Naphthalene	91-20-3

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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**NTP**      Reasonably anticipated to be a human carcinogen  
Naphthalene      91-20-3  
Reasonably anticipated to be a human carcinogen  
Naphthalene      91-20-3

### Further information

#### Components:

#### **Coumaphos Technical:**

Pharmaceutic effects  
Remarks : Antiparasitic agent

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **Distillates (petroleum), catalytic reformer fractionator residue, low-boiling:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : slightly hazardous to water

#### **Naphthalene:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

#### **Coumaphos Technical:**

Toxicity to fish : LC50: 0,18 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 0,000192 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EbC50 (Desmodesmus subspicatus (green algae)): 0,2 mg/l  
Exposure time: 72 h  
Test Type: Cell multiplication inhibition test

ErC50 (Desmodesmus subspicatus (green algae)): 0,61 mg/l  
Exposure time: 72 h  
Test Type: Cell multiplication inhibition test

NOEbC (Desmodesmus subspicatus (green algae)): 0,115 mg/l  
Exposure time:  
Test Type: Cell multiplication inhibition test

NOErC (Desmodesmus subspicatus (green algae)): 0,115

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mg/l  
Exposure time:  
Test Type: Cell multiplication inhibition test

### Persistence and degradability

#### Components:

#### **Coumaphos Technical:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 1 %  
Exposure time: 28 d

#### **Bioaccumulative potential**

No data available

#### **Mobility in soil**

No data available

#### **Other adverse effects**

#### Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

#### Components:

#### **Coumaphos Technical:**

Adsorbed organic bound halogens (AOX) : Remarks: The product contains organic halogens.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic.

However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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## SECTION 14. TRANSPORT INFORMATION

### **International Regulations**

#### **IATA-DGR**

UN/ID No. : UN 3018  
Proper shipping name : ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (COUMAPHOS)  
Class : 6.1

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Packing group : III  
Labels : 6.1  
Environmentally hazardous : yes

### IMDG-Code

UN number : UN 3018  
Proper shipping name : ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (COUMAPHOS)  
Class : 6.1  
Packing group : III  
Labels : 6.1  
Marine pollutant : yes

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

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

UN/ID/NA number : UN 3018  
Proper shipping name : ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (COUMAPHOS)  
Class : 6.1  
Packing group : III  
Labels : Toxic  
ERG Code : 152  
Marine pollutant : yes

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Coumaphos Technical	56-72-4	10	162
Coumaphos Technical	56-72-4	10	162
n-Butanol	71-36-3	100	100 (F003)
n-Butanol	71-36-3	100	100 (F003)

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Coumaphos Technical	56-72-4	10	162

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
Coumaphos Technical	56-72-4	10000

**SARA 311/312 Hazards** : Serious eye damage or eye irritation  
Carcinogenicity

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Acute toxicity (any route of exposure)

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Naphthalene	91-20-3	17,795 %
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### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Naphthalene	91-20-3	17,795 %
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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Naphthalene	91-20-3	17,795 %
Coumaphos Technical	56-72-4	6,15 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Naphthalene	91-20-3	17,795 %
Coumaphos Technical	56-72-4	6,15 %

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

Naphthalene	91-20-3	17,795 %
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### US State Regulations

#### Massachusetts Right To Know

Naphthalene	91-20-3
Coumaphos Technical	56-72-4

#### Pennsylvania Right To Know

Distillates (petroleum), catalytic reformer fractionator residue, low-boiling	68477-31-6
Naphthalene	91-20-3
Coumaphos Technical	56-72-4
n-Butanol	71-36-3
1,2,4-Trimethylbenzene	95-63-6

#### Maine Chemicals of High Concern

Product does not contain any listed chemicals

#### Vermont Chemicals of High Concern

Product does not contain any listed chemicals

#### Washington Chemicals of High Concern

Product does not contain any listed chemicals

#### New York City Hazardous Substances

Distillates (petroleum), catalytic reformer fractionator residue,	68477-31-6
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low-boiling Naphthalene	91-20-3
Coumaphos Technical	56-72-4
n-Butanol	71-36-3
Solvent naphtha (petroleum), heavy aromatic	64742-94-5
1,2,4-Trimethylbenzene	95-63-6
ethylene oxide	75-21-8
Carbon dioxide	124-38-9

### California List of Hazardous Substances

Naphthalene	91-20-3
Coumaphos Technical	56-72-4

### California Permissible Exposure Limits for Chemical Contaminants

Naphthalene	91-20-3
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### International Regulations

Montreal Protocol (Ozone Depleting Substances) : Not applicable  
Rotterdam Convention (Prior Informed Consent) : Not applicable  
Stockholm Convention (Persistent Organic Pollutants) : Not applicable

### The components of this product are reported in the following inventories:

TSCA : Substance(s) not listed on TSCA inventory

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:

Health - 3      Flammability - 2      Instability - 0      Others - 0

#### HMIS® IV:

Health - 2      Flammability - 1      Instability - 0      Others -

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits  
OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek  
NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded

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	at any time during a workday
OSHA P0 / TWA	: 8-hour time weighted average
OSHA P0 / STEL	: Short-term exposure limit
OSHA Z-1 / TWA	: 8-hour time weighted average

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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