

## Tempo 20 WP Insecticide

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007062      Date of last issue: -  
Date of first issue: 23.06.2020

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**SECTION 1. IDENTIFICATION****Product information**

Product Name : Tempo 20 WP Insecticide  
Synonyms : TEMPO POULTRY  
SDS Number : 122000007062

**Use** : Pesticide

**Company**

Elanco Canada Ltd.  
150 Research Lane  
Suite 120  
Guelph, ON N1G 4T2  
CANADA  
1-800-265-5475  
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 the Hazardous Products Regulations**

Acute toxicity (Oral) : Category 4  
Acute toxicity (Inhalation) : Category 4  
Eye irritation : Category 2B  
Specific target organ toxicity : Category 3 (Respiratory system)  
- single exposure  
Specific target organ toxicity : Category 1  
- repeated exposure

**GHS label elements**

Hazard pictograms :



Signal word : Danger  
Danger

Hazard statements : H302 + H332 Harmful if swallowed or if inhaled.  
H320 Causes eye irritation.

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H335 May cause respiratory irritation.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H302 + H332 Harmful if swallowed or if inhaled.  
H320 Causes eye irritation.  
H335 May cause respiratory irritation.  
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

:

### Prevention:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.

**P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.**

**P264 Wash skin thoroughly after handling.**

**P270 Do not eat, drink or smoke when using this product.**

**P271 Use only outdoors or in a well-ventilated area.**

### Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.**

**P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.**

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Attapulgite	12174-11-7	59,355
Cyfluthrin (ISO)	68359-37-5	21,05
Quartz	14808-60-7	5,9354
Sodium alkyl-naphthalenesulfonate, formaldehyde condensate	577773-56-9	3,2
Sodium sulphate	7757-82-6	1,6

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### 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 : No hazards which require special first aid measures.
- 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.  
No information available.
- Notes to physician : No information available.
- 

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Any
- Unsuitable extinguishing media : none
- Specific hazards during fire-fighting : Fire may cause evolution of:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)
- 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.
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Avoid dust formation.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
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### SECTION 7. HANDLING AND STORAGE

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

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fire and explosion

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

Conditions for safe storage : For storage suitable stores with adequate product-reception volume must be used.  
During handling local official regulations must be observed in order to avert impairment of water by the product.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Attapulgite	12174-11-7	TWAEV	1 fibres per cubic centimeter	CA QC OEL
		TWAEV	1 fibres per cubic centimeter	CA QC OEL
Quartz	14808-60-7	TWA (Respirable particulates)	0,025 mg/m <sup>3</sup>	CA AB OEL
		TWA (Respirable particulates)	0,025 mg/m <sup>3</sup>	CA AB OEL
		TWA (Respirable fraction)	0,1 mg/m <sup>3</sup>	CA ON OEL
		TWA (Respirable fraction)	0,1 mg/m <sup>3</sup>	CA ON OEL
		TWAEV (respirable dust)	0,1 mg/m <sup>3</sup>	CA QC OEL
		TWAEV (respirable dust)	0,1 mg/m <sup>3</sup>	CA QC OEL
		TWA (Respirable) (Silica)	0,025 mg/m <sup>3</sup>	CA BC OEL
		TWA (Respirable) (Silica)	0,025 mg/m <sup>3</sup>	CA BC OEL
		TWA (Respirable fraction) (Silica)	0,025 mg/m <sup>3</sup>	ACGIH
		TWA (Respirable fraction) (Silica)	0,025 mg/m <sup>3</sup>	ACGIH

#### Personal protective equipment

Respiratory protection : Recommended Filter type:  
HEPA

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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.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : brown

Odour : weak, aromatic

pH : 9,2  
Concentration: 10 g/l  
Aqueous suspension

Melting point / range : No data available

Boiling point/boiling range : No data available

Bulk density : 1.123 - 1.460 kg/m<sup>3</sup>

Solubility(ies)  
Water solubility : insoluble

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

Minimum ignition energy : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : No data available

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Possibility of hazardous reactions : No data available

Conditions to avoid : Do not allow product to come in contact with:  
Heat  
Exposure to moisture

Incompatible materials : Alkali metals  
Alkaline earth metals  
Bases  
Alcohols

Hazardous decomposition products : Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : LD50 (Rat, male): 3.084 mg/kg  
LD50 (Rat, female): 1.733 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 1,18 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist/aerosol

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

**Components:****Cyfluthrin (ISO):**

Acute oral toxicity : LD50 (Rat, male): 16 mg/kg  
Remarks: in water/Cremophor EL

Acute inhalation toxicity : LC50 (Rat): 0,405 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist/aerosol  
Method: OECD 403

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg  
Assessment: No adverse effect has been observed in acute toxicity tests.

**Skin corrosion/irritation****Product:**

Species : Rabbit  
Result : Mild skin irritation

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**Components:****Cyfluthrin (ISO):**

Species : Rabbit  
Method : OECD 404  
Result : No skin irritation

**Sodium alkyl naphthalenesulfonate, formaldehyde condensate:**

Result : irritating

**Sodium sulphate:**

Species : Rabbit  
Exposure time : 4 h  
Method : OECD 404  
Result : No skin irritation

**Serious eye damage/eye irritation****Product:**

Species : Rabbit  
Result : Mild eye irritation

**Components:****Cyfluthrin (ISO):**

Species : Rabbit  
Result : No eye irritation  
Method : OECD 405

**Sodium alkyl naphthalenesulfonate, formaldehyde condensate:**

Result : irritating

**Sodium sulphate:**

Species : Rabbit  
Result : Mild eye irritation  
Method : OECD 405  
Remarks : The available study results do not lead to a GHS classification

**Respiratory or skin sensitisation****Product:**

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

**Components:****Cyfluthrin (ISO):**

Test Type : Skin sensitisation  
Species : Guinea pig  
Method : Magnusson and Kligmann maximization test

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Result : Did not cause sensitisation on laboratory animals.

### **Quartz:**

Assessment : An acute toxic effect is not expected.

### **Sodium sulphate:**

Species : Guinea pig  
Method : Local lymph node assay (LLNA)  
Result : Did not cause sensitisation on laboratory animals.

### **Germ cell mutagenicity**

#### **Components:**

#### **Cyfluthrin (ISO):**

Genotoxicity in vitro : Remarks: Tests with bacteria and mammalian cells showed no evidence of genotoxic effects.

Genotoxicity in vivo : Remarks: In vivo tests did not show mutagenic effects

#### **Sodium sulphate:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Result: negative

### **Carcinogenicity**

#### **Components:**

#### **Cyfluthrin (ISO):**

Result : Animal testing did not show any carcinogenic effects.

### **Reproductive toxicity**

#### **Components:**

#### **Cyfluthrin (ISO):**

#### **STOT - single exposure**

#### **Components:**

#### **Attapulгите:**

Assessment : May cause respiratory irritation.

#### **STOT - repeated exposure**

#### **Components:**

#### **Quartz:**

Assessment : Causes damage to organs through prolonged or repeated exposure.



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**Components:****Quartz:**

Repeated dose toxicity - Assessment : An acute toxic effect is not expected.

**Further information****Components:****Cyfluthrin (ISO):**

Pharmaceutic effects  
Remarks : Insecticide

**Sodium sulphate:**

Remarks : Ingestion of large quantities:  
Cardiovascular disorders  
Gastrointestinal discomfort

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Cyfluthrin (ISO):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,00047 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicity

LC50 (Leuciscus idus (Golden orfe)): 0,0032 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicity

LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,0032 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicity

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,00016 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : IC50 (Desmodesmus subspicatus (green algae)): > 10 mg/l  
Exposure time: 72 h

Toxicity to microorganisms : EC50 (Activated sludge micro-organism): > 10.000 mg/l  
Method: OECD 209

**Quartz:****Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

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**Sodium sulphate:**

Toxicity to fish : LC50 (Gambusia affinis (Mosquito fish)): 120 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 2.564 mg/l  
Exposure time: 48 h

Toxicity to microorganisms : (Pseudomonas putida): > 1.000 mg/l  
Exposure time: 16 h

**Ecotoxicology Assessment**

Acute aquatic toxicity : slightly hazardous to water

**Persistence and degradability****Product:**

Biodegradability : Result: rapidly biodegradable  
Biodegradation: > 70 %  
Exposure time: 28 d

Dissolved organic carbon (DOC) : 1,840 mg/g

**Components:****Cyfluthrin (ISO):**

Biodegradability : Result: rapidly biodegradable

**Bioaccumulative potential****Components:****Cyfluthrin (ISO):**

Bioaccumulation : Bioconcentration factor (BCF): 506

Partition coefficient: n-octanol/water : log Pow: 5,9 - 6,18 (22 °C)

**Mobility in soil**

No data available

**Other adverse effects****Product:**

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

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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 MOE, 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.

Contaminated packaging : Contaminated, empty containers are to be treated in the same way as the contents.

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

UN/ID No. : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYFLUTHRIN)  
Class : 9  
Packing group : III  
Labels : 9  
Environmentally hazardous : yes

##### IMDG-Code

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYFLUTHRIN)  
Class : 9  
Packing group : III  
Labels : 9  
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

Not regulated as a dangerous good

##### TDG

Not regulated as a dangerous good

#### 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.

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### SECTION 15. REGULATORY INFORMATION

#### International Regulations

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

#### Canadian lists

No substances are subject to a Significant New Activity Notification.

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### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)  
CA BC OEL : Canada. British Columbia OEL  
CA ON OEL : Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.  
CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
CA AB OEL / TWA : 8-hour Occupational exposure limit  
CA BC OEL / TWA : 8-hour time weighted average  
CA ON OEL / TWA : Time-Weighted Average Limit (TWA)  
CA QC OEL / TWAEV : Time-weighted average exposure value

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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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