

# SAFETY DATA SHEET



## TEMPO 1% Dust Insecticide

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007121      Date of last issue: -  
Date of first issue: 23.06.2020

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### SECTION 1. IDENTIFICATION

**Product information** TEMPO DUST 1% 10LB X 4

Product Name : TEMPO 1% Dust Insecticide  
SDS Number : 122000007121

**Use** : Pesticide

**Company**  
Elanco US Inc.  
2500 Innovation Way  
Greenfield, IN 46140  
USA  
+1-877-Elanco1(+1-877-3526261)  
elanco\_sds@elancoah.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  
Skin irritation : Category 2  
Eye irritation : Category 2A  
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

Hazard statements : H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements : **Prevention:**

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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.  
P280 Wear protective gloves/ eye protection/ face protection.

### Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON 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)
Gypsum	13397-24-5	84,6
Quartz	14808-60-7	5,0014
Attapulgite	12174-11-7	3,015
Cyfluthrin (ISO)	68359-37-5	1

## 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.

Notes to physician : No information available.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Any

Unsuitable extinguishing media : none

Specific hazards during fire- : Fire may cause evolution of:

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fighting      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.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures      :    Use personal protective equipment. Avoid dust formation.

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).

### SECTION 7. HANDLING AND STORAGE

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

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

Recommended storage temperature      :    0 - 100 °F / -18 - 38 °C

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Gypsum	13397-24-5	TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1

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		TWA (Total dust)	15 mg/m <sup>3</sup>	OSHA P0
		TWA (Total dust)	15 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Inhalable fraction)	10 mg/m <sup>3</sup> (Calcium)	ACGIH
		TWA (Inhalable fraction)	10 mg/m <sup>3</sup> (Calcium)	ACGIH
Quartz	14808-60-7	TWA (respirable)	10 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2	OSHA Z-3
		TWA (respirable)	10 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO <sub>2</sub> +5	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO <sub>2</sub> +5	OSHA Z-3
		TWA (respirable dust fraction)	0,1 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	0,1 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable fraction)	0,025 mg/m <sup>3</sup> (Silica)	ACGIH
		TWA (Respirable fraction)	0,025 mg/m <sup>3</sup> (Silica)	ACGIH
		TWA (Respirable dust)	0,05 mg/m <sup>3</sup> (Silica)	NIOSH REL
		TWA (Respirable dust)	0,05 mg/m <sup>3</sup> (Silica)	NIOSH REL
		TWA (Respirable dust)	0,05 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Respirable dust)	0,05 mg/m <sup>3</sup>	OSHA Z-1
Limestone	1317-65-3	TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total dust)	15 mg/m <sup>3</sup>	OSHA P0
		TWA (Total dust)	15 mg/m <sup>3</sup>	OSHA P0

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		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable)	5 mg/m <sup>3</sup> (Calcium carbonate)	NIOSH REL
		TWA (Respirable)	5 mg/m <sup>3</sup> (Calcium carbonate)	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup> (Calcium carbonate)	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup> (Calcium carbonate)	NIOSH REL

### Personal protective equipment

Respiratory protection : Recommended Filter type:  
HEPA  
  
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 : powder

Colour : white

Odour : musty

Melting point / range : No data available

Boiling point/boiling range : No data available

Solubility(ies)  
Water solubility : insoluble

Auto-ignition temperature : No data available

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Decomposition temperature : ca. 932 °F / 500 °C  
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  
Possibility of hazardous reactions : No data available  
Conditions to avoid : No data available  
Incompatible materials : Oxidizing agents  
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 : Acute toxicity estimate (ATE): 1.600 mg/kg  
Method: Calculation method  
Acute inhalation toxicity : Acute toxicity estimate (ATE): 40,5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist/aerosol  
Method: Calculation method

##### 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



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toxicity tests.

**Skin corrosion/irritation**

**Components:**

**Gypsum:**

Result : Irritating to skin.

**Cyfluthrin (ISO):**

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

**Serious eye damage/eye irritation**

**Components:**

**Gypsum:**

Result : Irritating to eyes.

**Cyfluthrin (ISO):**

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

**Respiratory or skin sensitisation**

**Components:**

**Quartz:**

Assessment : An acute toxic effect is not expected.

**Cyfluthrin (ISO):**

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





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### Further information

#### Components:

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

Pharmaceutic effects

Remarks : Insecticide

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **Gypsum:**

#### **Ecotoxicology Assessment**

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

#### **Quartz:**

#### **Ecotoxicology Assessment**

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

#### **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

### Persistence and degradability

#### Components:

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

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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 (72 °F / 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 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**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

#### **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

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### SECTION 15. REGULATORY INFORMATION

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

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

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

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

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

Cyfluthrin (ISO)      68359-37-5      1 %

#### 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).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

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

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

#### US State Regulations

##### Massachusetts Right To Know

Gypsum	13397-24-5
Quartz	14808-60-7
Limestone	1317-65-3

##### Pennsylvania Right To Know

Gypsum	13397-24-5
Quartz	14808-60-7
Limestone	1317-65-3
Sodium sulphate	7757-82-6

##### Maine Chemicals of High Concern

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Quartz 14808-60-7

### 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

Sodium sulphate 7757-82-6  
Magnesium oxide 1309-48-4

### California List of Hazardous Substances

Attapulgite 12174-11-7

### California Permissible Exposure Limits for Chemical Contaminants

Gypsum 13397-24-5  
Limestone 1317-65-3

### 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 - 1      Flammability - 0      Instability - 0      Others -

#### HMIS® IV:

Health - 1      Flammability - 0      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 Lim-  
its for Air Contaminants  
OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-

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	eral Dusts
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
OSHA P0 / TWA	: 8-hour time weighted average
OSHA Z-1 / TWA	: 8-hour time weighted average
OSHA Z-3 / TWA	: 8-hour time weighted average

Revision Date : 06/23/2020

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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