

SAFETY DATA SHEET



TEMPO 1% Dust Insecticide

Version 1.3

Revision Date 04/10/2018

122000007121
Print Date 06/21/2018

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information TEMPO DUST 1% 10LB X 4

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

Use : Pesticide

Company

Bayer HealthCare, LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
UNITED STATES OF AMERICA
(800) 633-3796

In case of emergency: (800) 422-9874
Chemtrec: (800) 424-9300
BAYER INFORMATION PHONE: (800) 633-3796
INTERNATIONAL: (703) 527-3887

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to national GHS implementation:

Acute toxicity, Oral, Category 4 (H302)
Specific target organ toxicity - repeated exposure, Category 1 (H372)

Label elements

Labelling according to national GHS implementation:



Danger

Hazard statements:

H302 Harmful if swallowed.
H372 Causes damage to the nervous system 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.

Response:

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

P314 Get medical advice/ attention if you feel unwell.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

Components:	CAS-No.
Quartz	14808-60-7
Cyfluthrin (ISO)	68359-37-5

Other hazards

Other hazards which do not result in classification:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Hazardous components

Quartz

Concentration [Weight percent] 5.0014

CAS-No.: 14808-60-7

CAS name: Quartz (SiO₂)

GHS Classification:



STOT RE 1 H372

Attapulgit

Concentration [Weight percent] 3.015

GHS Classification:



STOT SE 3 H335

Cyfluthrin (ISO)

Concentration [Weight percent] 1

CAS-No.: 68359-37-5

GHS Classification:



Acute Tox. 2 H300

Acute Tox. 3 H331

For the full text of the H-Statements mentioned in this Section, see Section 16.

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4. FIRST AID MEASURES

Description of first aid measures

General advice: Take off all contaminated clothing immediately.

If inhaled: Remove to fresh air. If symptoms persist, call a physician.

In case of skin contact: After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.

In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed: If swallowed, seek medical advice immediately and show this container or label.

Most important acute symptoms/effects

Symptoms: No information available.

Risks: No information available.

Indication of any immediate medical attention and special treatment needed

No information available.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Any

Unsuitable extinguishing media: none

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide (CO) Carbon dioxide (CO₂)

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

Advice for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Environmental precautions

Methods and materials for containment and cleaning up

Methods for 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

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regulations (see section 13).

Reference to other sections

Additional advice: Avoid dust formation.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling:

Avoid dust formation. Use with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

Conditions for safe storage, including any incompatibilities

Storage temperature: 0 - 100 °F

Specific end use(s)

No statements available.

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 ³	NIOSH REL
		TWA (total)	10 mg/m ³	NIOSH REL
		TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Total inhalable dust.)	15 mg/m ³	OSHA P0
		TWA (respirable dust fraction)	5 mg/m ³	OSHA P0
		TWA (Inhalable fraction)	10 mg/m ³ (Calcium)	ACGIH
Quartz	14808-60-7	TWA (respirable)	10 mg/m ³ / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA Z-3
		TWA	0.1 mg/m ³	OSHA P0

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		(respirable dust fraction)		
		TWA (Respirable fraction)	0.025 mg/m ³ (Silica)	ACGIH
		TWA (Respirable dust)	0.05 mg/m ³ (Silica)	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m ³	OSHA Z-1
Limestone	1317-65-3	TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Total inhalable dust.)	15 mg/m ³	OSHA P0
		TWA (respirable dust fraction)	5 mg/m ³	OSHA P0
		TWA (Respirable)	5 mg/m ³ (Calcium carbonate)	NIOSH REL
		TWA (total)	10 mg/m ³ (Calcium carbonate)	NIOSH REL

Hazardous components without workplace control parameters

Components	CAS-No.
Attapulgate	Not Assigned
Cyfluthrin (ISO)	68359-37-5

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.

**TEMPO 1% Dust Insecticide**

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Print Date 06/21/2018**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

Form:	powder
Colour:	white
Odour:	musty
Melting point/range:	No statements available.
Boiling point/boiling range:	No statements available.
Density:	No statements available.
Bulk density:	No statements available.
Vapour pressure:	No statements available.
Viscosity, dynamic:	No statements available.
Viscosity, kinematic:	No statements available.
Flow time:	No statements available.
Surface tension:	No statements available.
Water solubility:	insoluble
Solubility(ies):	No statements available.
pH:	No statements available.
Corrosive to metal:	No statements available.
Partition coefficient (n-octanol/water):	Cyfluthrin (ISO) log Pow: 5.9 - 6.18 at 22 °C
Flash point:	Not applicable
Inflammability (solid, gaseous):	No statements available.
Explosion limits:	No statements available.

Other information

Miscibility with water: Not applicable

10. STABILITY AND REACTIVITY**Reactivity**

No statements available.

Reactions with water / air:

No statements available.

Ignition temperature:**Cyfluthrin (ISO)**

415 °C DIN 51794

Burning number:

No statements available.

Chemical stability

No statements available.

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Thermal decomposition:

ca. 500 °C

Dust explosion characteristic number:

No statements available.

Dust explosion class:

No data available

Impact sensitivity:

No data available

Hazardous reactions:

No data available

Explosive properties:

No statements available.

Possibility of hazardous reactions

deflagration ability:

No statements available.

Smoldering combustion:

No statements available.

Conditions to avoid

No data available

Minimum ignition energy:

No data available

Oxidizing properties:

No statements available.

Incompatible materials

Materials to avoid:

Oxidizing agents

Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂)

Further information:

The following applies in general to flammable organic substances and preparations: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat, male): 3,084 mg/kg
Test substance: Data is for a more concentrated product.

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LD50 (Rat, female): 1,733 mg/kg
Test substance: Data is for a more concentrated product.

Acute inhalation toxicity : Acute toxicity estimate (ATE): 57.5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: Calculation method

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Test substance: Data is for a more concentrated product.

Components:

Cyfluthrin (ISO):

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

Acute inhalation toxicity : LC50 (Rat, male): 0.575 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

Skin corrosion/irritation

Components:

Cyfluthrin (ISO):

Species: Rabbit
Result: No skin irritation

Respiratory or skin sensitisation

Components:

Quartz:

Assessment: An acute toxic effect is not expected.

Cyfluthrin (ISO):

Test Type: Skin sensitization
Species: Guinea pig
Method: Magnusson and Kligmann maximization test
Result: Did not cause sensitisation on laboratory animals.

Carcinogenicity

IARC

Group 1: Carcinogenic to humans

Quartz 14808-60-7

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

NTP Known to be human carcinogen

Quartz 14808-60-7

STOT - single exposure

Components:

Attapulгите:

Assessment: May cause respiratory irritation.

STOT - repeated exposure

Components:

Quartz:

Assessment: Causes damage to the nervous system through prolonged or repeated exposure.

Components:

Quartz:

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

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

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 : EC50 (Daphnia magna (Water flea)): 0.00016 mg/l

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aquatic invertebrates Exposure time: 48 h

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

Toxicity to bacteria : EC50 (activated sludge micro-organism): > 10,000 mg/l
Method: OECD 209

Persistence and degradability

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.

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)

14. TRANSPORT INFORMATION

US Land transport (CFR)

non-regulated

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Sea transport (IMDG)
non-regulated

Air transport (IATA)
non-regulated

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 : Immediate Health Hazard
Delayed Health Hazard
Acute toxicity (any route of exposure)
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 %
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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

New York City Hazardous Substances

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

California Prop. 65

WARNING: This product can expose you to chemicals including Quartz, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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California Permissible Exposure Limits for Chemical Contaminants

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

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

TSCA : Not On TSCA Inventory

TSCA list

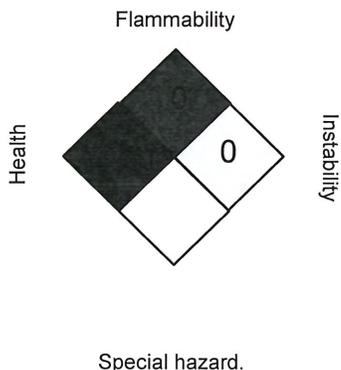
No substances are subject to a Significant New Use Rule.

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

16. OTHER INFORMATION

Further information

NFPA:



HMIS® IV:

HEALTH	/	1
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a

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test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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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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