



TEMPO 20% Wettable Powder

MSDS Version 0.0

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name TEMPO 20% Wettable Powder
Chemical Name
Common Name
MSDS Number R000008265
Chemical Family
Chemical Formulation
PCP Registration No. 25673

Bayer CropScience
 #100 - 3131 - 114th Avenue SE
 Calgary, AB T2Z 3X2
 Canada

Emergency Number (24 Hours/Day): 1-800-334-7577 Product Information: 1-888-283-6847

Product Use Description Broad-spectrum insecticide for the control of crawling, flying and wood infesting insect pests for both indoor and outdoor surfaces.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Cyfluthrin Technical Insecticide	68359-37-5	19.0000	21.0000
Crystalline Silica (Quartz)	14808-60-7	1.0000	7.0000

SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Physical State Fine powder
Odor Aromatic
Appearance Tan
Routes of Exposure Inhalation, Skin Absorption, Eye contact, Skin contact

Immediate Effects

SECTION 4. FIRST AID MEASURES

Eye Hold eye open and rinse slowly and gently with water for 15-20 minutes.

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	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
Skin	Wash skin immediately with plenty of soap and water. Get medical attention if irritation develops or persists.
Ingestion	If ingestion is suspected, call a physician or poison control center. If syrup of ipecac is available, administer 1 tablespoonful (1/2 oz or 15 mL), otherwise induce vomiting by sticking finger down throat. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger, or, if available, by administering syrup of ipecac. If vomiting does not occur within 20 minutes, repeat the dose once.
Inhalation	If a person is overcome by excessive exposures to aerosols or vapors of this material, remove to fresh air or uncontaminated area. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Get medical attention as soon as possible.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	Not applicable
Auto Ignition Temperature	Not combustible.
Suitable Extinguishing Media	Water, Dry chemical
Fire Fighting Instructions	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Stay upwind if possible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal	Wear appropriate gear for the situation. See Personal Protection information in Section 8. Cleanup and Disposal of Spill: Scrape up and place in appropriate closed container (see Section 7: Handling and Storage). Decontaminate tools and equipment following cleanup. Keep unnecessary people away, isolate hazard area and deny entry. Clean up residual material by washing area with water. Ventilate closed spaces before entering. Use proper protective equipment to minimize personal exposure (see Section 8). Recover material, if possible. Contain the spill to prevent it from spreading, contaminating soil, or entering sewage and drainage systems or any body of water.
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SECTION 7. HANDLING AND STORAGE

Handling Procedures	Avoid breathing dusts. Do not ingest. Wash with soap and water after handling.
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Storing Procedures Store in an area that is away from food, feedstuffs, fertilizers and seed, away from the home or home garden. Store in an area that is dry and well-ventilated. Do not use or store near heat or open flame. Do not store in or around the home.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls General area dilution/exhaust ventilation. Local exhaust ventilation may be necessary, when used in a confined area. Control airborne concentrations below the exposure guidelines.

Eye/Face Protection Chemical goggles

Hand Protection Chemical resistant gloves

Body Protection Long-sleeved shirt and long pants. Shoes plus socks. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Waterproof boots

Respiratory Protection When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Exposure Limits

Crystalline Silica (Quartz)	14808-60-7	OEL (QUE) TWA	0.1 mg/m3
		Form of Exposure	Respirable dust.
		CAD AB OEL TWA	0.1 mg/m3
		Form of Exposure	Respirable dust.
		CAD AB OEL TWA	0.05 mg/m3
		Form of Exposure	Respirable dust.
		CAD AB OEL TWA	0.3 mg/m3
		Form of Exposure	Total dust.
		CAD AB OEL TWA	0.15 mg/m3
		Form of Exposure	Total dust.
		CAD BC TWA	0.1 mg/m3
		OEL	
		Form of Exposure	Respirable dust.
		CAD ON TWA	10 mg/m3
OEL			
Form of Exposure	Inhalable particulate.		
CAD ON TWA	3 mg/m3		
OEL			
Form of Exposure	Respirable particles.		

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Tan
Physical State	Fine powder
Odor	Aromatic
pH	9.2 (as aqueous solution)
Vapor Pressure	3.3 x 10 ⁻⁸ mm Hg at 20 °C
Solubility (in water)	This is measured in ppb. 2 g/l

SECTION 10. STABILITY AND REACTIVITY

Incompatibility	Methanol Alkali metals Alkaline earth metals Light and/or alkaline metals Bases
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SECTION 11. TOXICOLOGICAL INFORMATION

The NOEL for both maternal and reproductive effects were 50 ppm.

Acute Oral Toxicity	Male Rat: LD50: 3,084 mg/kg Female Rat: LD50: 1,733 mg/kg
Acute Dermal Toxicity	Male and Female Rabbit: LD50: > 2,000 mg/kg
Acute Inhalation Toxicity	Male and Female Rat: LC50: 1.18 mg/l

Chronic Toxicity

Assessment Carcinogenicity

Did not show carcinogenic or teratogenic effects in animal experiments.

ACGIH
None
NTP
None
IARC
OSHA

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None

Reproductive & Developmental Toxicity Inhalation

Teratogenicity Experiments have shown reproductive toxicity effects on laboratory animals.

SECTION 12. ECOLOGICAL INFORMATION

Bioaccumulation Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Pesticide Disposal: Do not contaminate water, food, or feed by disposal. Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of at an approved waste disposal facility. Pesticide wastes are acutely toxic hazardous. Contamination with this product will render water, food or feed unfit for human or animal consumption. Open dumping is prohibited. Do not reuse original container. Packaging that cannot be cleaned should be disposed of as product waste. Uncontrolled disposal or recycling of this packaging is not permitted and can be dangerous.

RCRA Classification

SECTION 14. TRANSPORT INFORMATION

TDG (Canadian 2004)
Not regulated for road and rail.

SECTION 15. REGULATORY INFORMATION

PCP Registration No. 25673

US Federal Regulations

TSCA list

Crystalline Silica (Quartz) 14808-60-7

TSCA 12b export notification

None

SARA Title III - section 302 - notification and information

None

SARA Title III - section 313 - toxic chemical release reporting

None

US States Regulatory Reporting

CA Prop65

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This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State right-to-know ingredients

None

Canadian Regulations

Canadian Domestic Substance List

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Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

International Regulations

EU Classification

None

European Inventory of Existing Commercial Substances (EINECS)

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SECTION 16. OTHER INFORMATION

This MSDS was issued as a result of a new format and data.

It was generated by the HSE Department of Bayer CropScience Inc. (306)-721-0310.

Approval Date: 16.02.2004

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