

SAFETY DATA SHEET  
**TEMPO 20 WP**

122000007062

Version 2.0

Revision Date 04/20/2015

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

**Product Name:** TEMPO 20 WP  
**Synonyms:** TEMPO POULTRY  
**SDS Number:** 122000007062

**Use** : Pesticide

**Company**

BAYER HEALTHCARE LLC  
Animal Health Division  
12707 Shawnee Mission Parkway  
(West 63rd)  
Shawnee, KS 66216-1846  
USA  
(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****Emergency Overview**

**WARNING! Colour:** brown **Form:** Powder **Odour:** weak, aromatic.  
May be harmful if inhaled. May cause respiratory tract irritation. May irritate skin. May cause eye irritation. May cause lung damage.

**GHS Classification:**

**Acute toxicity (Oral)** : Category 4  
**Acute toxicity (Inhalation)** : Category 4  
**Skin irritation** : Category 2  
**Eye irritation** : Category 2  
**Specific target organ toxicity - repeated exposure** : Category 2

**GHS Label element:**

**Hazard pictograms** :



- Signal word** : Warning
- Hazard statements** : H302 + H332 Harmful if swallowed or if inhaled  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.
- Precautionary statements** : **Prevention:**  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P314 Get medical advice/ attention if you feel unwell.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P391 Collect spillage.

**Other hazards which do not result in classification:**

None known.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Hazardous Ingredients:**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
3 - 7%	Quartz	14808-60-7
21.05%	Cyfluthrin	68359-37-5
40 - 70%	Magnesium aluminum silicate	12174-11-7

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**4. 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.

**Contact Number:** Use the Bayer Emergency Number in Section 1

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## 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Any

**Specific hazards during firefighting:** Fire may cause evolution of: Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

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

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

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment.

**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 regulations (see section 13).

**Additional advice:** Avoid dust formation.

**Further Accidental Release Notes**      Avoid dust formation.

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## 7. HANDLING AND STORAGE

**Handling:**

Avoid dust formation. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Quartz (14808-60-7)**  
US. ACGIH Threshold Limit Values

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Time Weighted Average (TWA): 0.025 mg/m<sup>3</sup> (Respirable fraction.)  
US. NIOSH: Pocket Guide to Chemical Hazards  
Recommended exposure limit (REL): 0.05 mg/m<sup>3</sup> (Respirable dust.)

### Respiratory protection:

Recommended Filter type: HEPA

### Hand protection:

Chemically resistant gloves.

### Eye protection:

Safety glasses

### Other protective measures:

Wear suitable protective equipment.

Please consult label for end-user requirements.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Colour:	brown
Odour:	weak, aromatic
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available
Density:	No applicable information is available
Bulk density:	1,123 - 1,460 kg/m <sup>3</sup>
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	No applicable information is available
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	insoluble
pH:	9.2 at 10 g/l Aqueous suspension
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	No applicable information is available
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

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## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** Do not allow product to come in contact with:

Heat

Exposure to moisture

**Materials to avoid:** Alkali metals, Alkaline earth metals, Bases, Alcohols

**Hazardous reactions:** No data available

**Thermal decomposition:**

No data available

**Hazardous decomposition products:**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

**Oxidizing properties:**

No statements available.

**Impact sensitivity:**

No data available

**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.

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## 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity:**

LD<sub>50</sub> Rat , male : 3,084 mg/kg

LD<sub>50</sub> Rat , female : 1,733 mg/kg

**Acute inhalation toxicity:**

LC<sub>50</sub> Rat: > 1.18 mg/l, 4 h

**Acute dermal toxicity:**

LD<sub>50</sub> Rabbit: > 2,000 mg/kg

**Skin irritation:**

Rabbit

Result: Mild skin irritation

**Eye irritation:**

Rabbit

Result: Mild eye irritation

**Sensitisation:**

guinea pig

Result: Does not cause skin sensitisation.

**Carcinogenicity:**

Quartz

Magnesium aluminum  
silicate

**IARC** - Evidence of carcinogenicity in humans: Inadequate data.

**IARC** - Evidence of carcinogenicity in animals: Inadequate data.

**IARC** - Evidence of carcinogenicity in animals: Sufficient data.

**IARC** - Overall evaluation: Possibly carcinogenic to humans.

**IARC** - Overall evaluation: Not classifiable as to carcinogenicity to humans.

**STOT - single exposure:**

No data available

**STOT - repeated exposure:**

**Components:**

**14808-60-7 :**

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

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**12. ECOLOGICAL INFORMATION**

**General advice:**

Do not allow to enter surface waters or groundwater.

**Toxicity to fish:**

Cyfluthrin

Acute Fish toxicity: LC50 0.00047 mg/l

Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Acute Fish toxicity: LC50 0.0032 mg/l

Test species: Leuciscus idus (Golden orfe) Duration of test: 96 h

Acute Fish toxicity: LC50 0.0032 mg/l

Test species: Lepomis macrochirus (Bluegill) Duration of test: 96 h

**Toxicity to daphnia and other aquatic invertebrates:**

Cyfluthrin

EC50 0.00016 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

**Toxicity to algae:**

Cyfluthrin

IC50 > 10 mg/l

tested on: Desmodesmus subspicatus (green algae) Duration of test: 72 h

**Toxicity to bacteria:**

Cyfluthrin  
EC50 > 10,000 mg/l  
tested on: activated sludge micro-organism  
Method: OECD 209

**Biodegradability:**

> 70 %, 28 d rapidly biodegradable

**Bioaccumulation:**

Cyfluthrin

Bioconcentration factor (BCF)  
506

**Further information on ecology:**

Dissolved organic carbon (DOC): 1.840 mg/g

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**13. DISPOSAL CONSIDERATIONS**

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)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

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**14. TRANSPORT INFORMATION**

Land transport (CFR)  
non-regulated

US Sea transport (IMDG)  
non-regulated

US Air transport (ICAO / IATA cargo aircraft only)  
non-regulated

US Air transport (ICAO / IATA passenger and cargo aircraft)  
non-regulated

International IATA                      non-regulated  
IMDG    non-regulated

**15. REGULATORY INFORMATION**

**Other regulations:** No statements available.

**FIFRA Status** This product is registered with the EPA under FIFRA.

**US. Toxic Substances Control Act** This product is excluded from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

**Components**

None

**SARA Section 311/312 Hazard Categories** Immediate Health Hazard, Delayed Health Hazard

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

**Components**

**US. EPA CERCLA Hazardous Substances (40 CFR 302) Components**

None

**Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists**

Weight percent	Components	CAS-No.
3 - 7%	Quartz	14808-60-7
3 - 7%	Dipropylene Glycol	110-98-5

**California Prop. 65**

**Warning! This product contains chemical(s) known to the State of California to be Carcinogenic.**

Weight percent	Components	CAS-No.
3 - 7%	Quartz	14808-60-7
40 - 70%	Magnesium aluminum silicate	12174-11-7
<0.001%	Naphthalene	91-20-3

**OSHA Hazcom Standard Rating** Hazardous

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**16. OTHER INFORMATION**

**NFPA 704M Rating**

Health	2
Flammability	1

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<b>Reactivity</b>	1
<b>Other</b>	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**Further information**

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.