

SAFETY DATA SHEET

122000007110

Tempo SC Ultra

Version 2.0

Revision Date 12/17/2013

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information****Product Name:** Tempo SC Ultra**MSDS Number:** 122000007110**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! Toxic** **Colour:** beige **Form:** liquid suspension
Harmful if inhaled.**GHS Classification:****Acute toxicity (Oral)** : Category 4**Acute toxicity (Inhalation)** : Category 4**Eye irritation** : Category 2**GHS Label element:****Hazard pictograms** :**Signal word** : Warning**Hazard statements** : H302 + H332 Harmful if swallowed or if inhaled

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H319 Causes serious eye irritation.

Precautionary statements**: Prevention:**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P312 Call a POISON CENTER or doctor/ physician 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.

Hazard Communication (29CFR 1910.1200)

Eye Contact Inhalation Skin Contact

Acute Inhalation Hazards

Expected to be toxic by inhalation.

Acute Skin Hazards

Paraesthesia (a tingling or burning sensation on the surface of the skin) may result from skin contact with synthetic pyrethroids and normally subsides without treatment within 24 hours.

Acute Eye Hazards

May cause slight irritation.

Acute Ingestion Hazards

Moderately toxic by ingestion.

Chronic Effects of Exposure

No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

Medical Conditions Aggravated by Exposure

Skin disorders, Respiratory tract disorders

3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
11.81%	Cyfluthrin	68359-37-5
7 - 13%	Polyhydric alcohol	

4. FIRST AID MEASURES

General advice: Take off all contaminated clothing immediately.

If inhaled: Remove to fresh air. Call a physician immediately.

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

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

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

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Methods for cleaning up: Cover spilt product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labelled, closable containers.

Additional advice: No special precautions required.

Further Accidental Release Notes No special precautions required.

7. HANDLING AND STORAGE

Handling:

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

No special protective measures against fire required.

Storage:

Storage temperature: 0 - 100 °F (-17.78 - 37.78 °C)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Polyhydric alcohol

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 5 mg/m³ (Respirable fraction.)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 15 mg/m³ (Total dust.)

Respiratory protection:

Recommended Filter type: Organic vapor with prefilter

Hand protection:

Chemically resistant gloves.

Eye protection:

Safety glasses

Other protective measures:

Wear suitable protective equipment.

Please consult label for end-user requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	suspension
Colour:	beige
Odour:	No applicable information is available
Odour Threshold:	No applicable information is available
Melting point:	68 °C
Boiling point/boiling range:	No applicable information is available
Density:	1.06 g/cm ³ at 68 °F (20 °C)
Bulk density:	No applicable information is available
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	1,060 mPa.s at 73.4 °F (23 °C)
Viscosity, kinematic:	No applicable information is available

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Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	No applicable information is available
pH:	7 - 8
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	> 199.4 °F (93 °C)
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

10. STABILITY AND REACTIVITY**Conditions to avoid:** no data available**Materials to avoid:** Oxidizing agents**Hazardous reactions:** no data available**Thermal decomposition:**

no data available

Hazardous decomposition products:Carbon monoxide (CO), Carbon dioxide (CO₂)**Oxidizing properties:**

No statements available.

Impact Sensitivity:no data available

11. TOXICOLOGICAL INFORMATION**Other information on toxicity:**

Polyhydric alcohol

Inhalation of vapors causes irritation of the respiratory tract.

Ingestion of large quantities: Vomiting, Abdominal pain, headaches, Dizziness, Diarrhoea, Cyanosis

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Acute oral toxicity:

LD50 rat , male : 960 mg/kg

Harmful if swallowed.

LD50 rat , female : 1,150 mg/kg

Harmful if swallowed.

Acute inhalation toxicity:

rat: > 1.72 mg/l, 4 h

Acute toxicity estimate (ATE) 4.87 mg/l

Harmful if inhaled.

Method: Calculation method

Calculated for GHS Classification and Labelling.

Acute dermal toxicity:

LD50 rat: > 2,000 mg/kg

May be harmful in contact with skin.

Skin irritation:

rabbit

Result: slight irritation

Eye irritation:

rabbit

Result: Mild eye irritation

Sensitisation:

guinea pig

Result: Does not cause skin sensitization.

Genotoxicity in vitro:

Polyhydric alcohol

Ames test

Result: negative

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

STOT - single exposure:

no data available

STOT - repeated exposure:

no data available

12. ECOLOGICAL INFORMATION**General advice:**

Do not allow to enter surface waters or groundwater.

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Toxicity to fish:

Polyhydric alcohol

Acute Fish toxicity: LC50 > 5,000 mg/l

Test species: Carassius auratus (goldfish) Duration of test: 24 h

Acute Fish toxicity: LC100 51,000 - 57,000 mg/l

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

Acute Fish toxicity: LC50 > 250 mg/l

Test species: Leuciscus idus (Golden orfe) Duration of test: 48 h

Toxicity to daphnia and other aquatic invertebrates:

Polyhydric alcohol

EC50 > 10,000 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 24 h

EC0 > 500 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 24 h

Toxicity to algae:

Polyhydric alcohol

IC5 > 10,000 mg/l

tested on: Scenedesmus quadricauda (Green algae) Duration of test: 7 d

Toxicity to bacteria:

Polyhydric alcohol

EC5 > 10,000 mg/l

tested on: Pseudomonas putida

Duration of test: 16 h

EC5 3,200 mg/l

tested on: Protozoa

Duration of test: 72 h

Biodegradability:

Polyhydric alcohol

63 %, 14 d rapidly biodegradable

Method: OECD Test Guideline 301C

Bioaccumulation:

Polyhydric alcohol

Bioaccumulation is unlikely.

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)

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

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****UN Number**

3082

Description of the goodsENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(CYFLUTHRIN)**Class**

9

Packaging group

III

Dangerous goods labels

9

Environmentally hazardous

yes

International IMDG**UN Number**

3082

Description of the goodsENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(CYFLUTHRIN)**Class**

9

Packaging group

III

IMDG-Labels

9

EmS Number

F-A

Marine Pollutantyes

15. REGULATORY INFORMATION**Other regulations:** No statements available.**FIFRA Status**

This product is registered with the EPA under FIFRA.

US. Toxic Substances Control ActThis 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

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SARA Section 311/312 Hazard Categories

Immediate 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**

None

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.**

7 - 13%

Polyhydric alcohol

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists**Weight percent****Components****CAS-No.**

0.1 - 1%

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating

Hazardous

16. OTHER INFORMATION**NFPA 704M Rating**

Health	1
Flammability	1
Reactivity	1
Other	

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.