



MCW 623 EC

R-20234.SO

1. Identification of the substance/mixture and of the company/undertaking

**Trade name** : MCW 623 EC  
**Product code** : R-20234.SO  
**Chemical formula** : Bupirimate : C<sub>13</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S  
Tebuconazole : C<sub>16</sub>H<sub>22</sub>CIN<sub>3</sub>O  
**Chemical description** : Bupirimate : 5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethylsulfamate  
Tebuconazole:  
1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol  
**Use** : Fungicide  
**Company identification** : Makhteshim Chemical Works Ltd.  
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Beer Sheva 84100 Israel.  
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**Emergency phone nr** : 972-3-6106666 Subscription no. 36789 (Makhteshim)

2. Hazards identification

**Environmental hazard** : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS No	EC No	Index No	REACH Reg.	Classification
Bupirimate	: 116 g/l	41483-43-6	255-391-2	-----	-----	R43 N; R51-53
Tebuconazole	: 47 g/l	107534-96-3	403-640-2	603-197-00-7	-----	Repr. Cat. 3; R63 Xn; R22 N; R51-53
2-ethylhexyl lactate	: < 50 %	186817-80-1	228-503-2	-----	-----	Xi; R36/38

4. First aid measures

**First aid**  
**Ingestion** : Do not induce vomiting. Wash out mouth with plenty of water. Immediately consult a doctor .  
**Skin contact** : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Consult a doctor in the event of any complaints.  
**Eye contact** : Immediately wash out with plenty of water with the eyelid held wide open . Consult an eye specialist.  
**Inhalation** : Remove victim to fresh air. Keep victim warm and at rest. Consult a doctor in the event of any complaints.  
**Note to physician** : Treat symptomatically and give supportive therapy. Administer activated charcoal.

5. Fire-fighting measures

**Extinguishing media** : For small fire : dry chemical , carbon dioxide , foam .  
For large fire: alcohol resistant foam , water fog , water spray .



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**5. Fire-fighting measures (continued)**

- Special exposure hazards** : When heated to decomposition, emits dangerous fumes , carbon dioxide , carbon monoxide , sulfur oxide , nitrogen oxides .
- Protection against fire** : Wear proper protective equipment. Use self-contained breathing apparatus when in close proximity to fire.
- Special procedures** : Fight fires from a protected location . Dike fire control water for later disposal.

**6. Accidental release measures**

- Personal precautions** : Wear suitable protective clothing and gloves. Wear eye/face protection. Suitable respiratory equipment.
- Environmental precautions** : Do not discharge into drains or the environment, dispose to an authorised waste collection point. If the product has contaminated surface water, inform the appropriate authorities. Dispose of this material and its container at hazardous or special waste collection point.
- After spillage and/or leakage** : Absorb in sand or other inert material . Use appropriate container to avoid environmental contamination.  
In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal.

**7. Handling and storage**

- Handling** : Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray . When using do not eat, drink or smoke . Wash hands thoroughly after handling.
- Storage** : Keep only in the original container Keep container tightly closed. Keep only in the original container in a cool, well ventilated place. Keep away from sources of ignition and heat . Keep away from food, drink and animal feedingstuffs . Protect from freezing.
- Packing** : Drums with polyethylene liner.  
Coextruded polyethylene bottles .

**8. Exposure controls/personal protection**

- Industrial hygiene** : Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower . Wash hands thoroughly after handling. Wash clothing before re-using.
- Personal protection**
- **Respiratory protection** : During spraying wear suitable respiratory equipment.
  - **Skin protection** : Wear suitable protective clothing and chemical resistant boots .
  - **Hand protection** : Wear suitable gloves.
  - **Eye protection** : Chemical goggles or safety glasses.
- Occupational Exposure Limits**
- 8 Hour TWA [mg/m3]** : 10 ( Bupirimate )

**9. Physical and chemical properties**

**Physical state** : Clear - Liquid

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9. Physical and chemical properties (continued)

Colour	: yellowish
Odour	: Aromatic
pH value	: 6 - 8
Density	: 1.013 g/ml
Explosion limits	: Not explosive

10. Stability and reactivity

Physico-chemical stability	: Stable under normal conditions.
Hazardous decomposition products	: When heated to decomposition, emits dangerous fumes. carbon dioxide , carbon monoxide , nitrogen oxides , sulfur oxide .
Hazardous reactions	: None known.

11. Toxicological information

Oral, Rat LD50 [mg/kg]	: > 2000
Dermal, Rat LD50 [mg/kg]	: > 2000
Inhalation, Rat LC50 [mg/l/4h]	: > 5.05
Skin corrosion/ irritation	: Not irritant
Serious eye damage/ irritation	: Not irritant
Respiratory or skin sensitization	: Non sensitizer
Carcinogenicity	: Bupirimate, Tebuconazole : Not carcinogenic
Germ cell mutagenicity	: Bupirimate, Tebuconazole : Not mutagenic
Reproductive toxicity	: Bupirimate : Not considered to be toxic for the reproductive system. Tebuconazole : Reproduction toxicity Cat. 3. MCW 623: < 5% Tebuconazole : Not classified

12. Ecological information

96 H-LC50 - Rainbow trout [mg/l]	: 10
96 H-LC50 - Carp [mg/l]	: 22
48 H-LC50-Daphnia magna [mg/l]	: 36
72 H-EbC50 - Algae [mg/l]	: 18.6
72 H-ErC50 - Algae [mg/l]	: 53.5
LD50 - Japanese quail [mg/kg]	: > 2000
Bees LD50 [µg/Bee]	: > 100 ( oral ) > 106 ( contact )

13. Disposal considerations

Disposal	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
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13. Disposal considerations (continued)

14. Transport information

- UN No. : 3082
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bupirimate, Tebuconazole)
- Packing group : III
- Class : 9
- H.I. nr : 90
- IMDG-Marine pollution : YES

15. Regulatory information

**EU Classification** : This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations



- Symbol(s)** : N: Dangerous for the environment.
- R Phrase(s)** : R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S Phrase(s)** : S35 - This material and its container must be disposed of in a safe way.  
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. Other information

- Recommended uses and restrictions** : None.
- List of full text of R-phrases in section 3.* : *R22 - Harmful if swallowed.*  
*R36/38 - Irritating to eyes and skin.*  
*R43 - May cause sensitization by skin contact.*  
*R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*  
*R63 - Possible risk of harm to the unborn child.*

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