

**Acetamiprid 16 Bifenthrin 30 EC (MCW-3585)****R-20458****SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : Acetamiprid 16 Bifenthrin 30 EC (MCW-3585)

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses : Insecticide

Uses advised against : None under normal conditions.

**1.3. Details of the supplier of the safety data sheet**: Makhteshim Chemical Works Ltd.  
PO Box 60  
Beer Sheva 84100 Israel.  
Fax : +972-8-6296848

Email : msds@mcw.co.il

**1.4. Emergency telephone number**

: +972-3-6106666 Subscription no. 36789 (Makhteshim)

**SECTION 2. Hazards identification****2.1. Classification of the substance or mixture**Classification 67/548/EEC (DSD) - 1999/45/EC (DPD): R10  
Xn; R22-R65  
Xi; R41  
N; R50-53**2.2. Label elements**Labelling 1999/45/EC (DPD)

Symbol(s)



R Phrase(s)

: Xn : Harmful.  
N : Dangerous for the environment.  
: R10 - Flammable.  
R22 - Harmful if swallowed.  
R41 - Risk of serious damage to eyes.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 - Harmful : may cause lung damage if swallowed.

S Phrase(s)

: S02 - Keep out of the reach of children.  
S13 - Keep away from food, drink and animal feedingstuffs.  
S20/21 - When using, do not eat, drink or smoke.  
S23 - Do not breathe gas/fumes/vapour/spray.  
S36/37 - Wear suitable protective clothing and gloves.  
S51 - Use only in well-ventilated areas.  
S60 - This material and its container must be disposed of as hazardous waste.  
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.  
S62 - If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.**2.3. Other hazards**

Other hazards : None under normal conditions.

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#### SECTION 3. Composition/information on ingredients

**Components** : This product is considered to be hazardous and contains hazardous components.

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Bifenthrin	30 g/l	82657-04-3	-----	-----	----	Not classified (DSD/DPD) Not classified (GHS)
Acetamiprid	16 g/l	135410-20-7	-----	608-032-00-2	----	Xn: R22 R52-53 Acute Tox. 4 - H302 Aquatic Chronic 3 - H412
Cyclohexanone	> 1 %	108-94-1	203-631-1	606-010-00-7	----	R10 Xn: R20 Flam. Liq. 3 - H226 Acute Tox. 4 - H332
CaABS/alkylaryl sulfonate	> 1 %	-----	-----	-----	----	Xi; R38-41 Eye Dam 1 - H318
Solvesso 150	> 10 %	64742-94-5	265-198-5	649-424-00-3	----	Xn: R65 Asp. Tox 1 - H304

#### SECTION 4. First aid measures

##### 4.1. Description of first aid measures

###### First aid measures

- Inhalation** : Remove victim to fresh air. Keep victim warm and at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediately get medical attention.
- Skin contact** : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Immediately get medical attention. Wash clothing separately before re-use.
- Eye contact** : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Immediately consult an eye specialist.
- Ingestion** : Do not induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. Immediately get medical attention.

##### 4.2. Most important symptoms and effects, both acute and delayed

##### 4.3. Indication of any immediate medical attention and special treatment needed

- Note to physician** : There is no specific antidote. Treat symptomatically and give supportive therapy.

#### SECTION 5. Fire-fighting measures

##### 5.1. Extinguishing media

- Suitable extinguishing media** : For small fire : foam , dry chemical , carbon dioxide .  
For large fire: water spray , water fog , foam .  
Avoid use of water jet.

##### 5.2. Special hazards arising from the substance or mixture

- Specific hazards** : Thermal decomposition may generate : CO x , NO x , chlorides , fluorides , toxic and irritating fumes .

##### 5.3. Advice for fire-fighters

- Protection against fire** : Wear proper protective equipment. Self-contained breathing apparatus.
- Special procedures** : Fight fires from a protected location . Dike fire control water for later disposal.

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**SECTION 6. Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**For emergency responders** : Wear suitable protective clothing, gloves and eye/face protection. and chemical resistant boots .

**6.2. Environmental precautions**

**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.

**6.3. Methods and material for containment and cleaning up**

**Clean up methods** : Absorb in sand or other inert material . Sweep or shovel spills into appropriate container for disposal. Wash away with plenty of water . Prevent entry to sewers and public waters.

**6.4. Reference to other sections**

**SECTION 7. Handling and storage**

**7.1. Precautions for safe handling**

**Handling** : Avoid contact with skin and eyes. Do not breathe spray . Do not breathe vapour . When using do not eat, drink or smoke . Wash hands thoroughly after handling.

**7.2. Conditions for safe storage, including any incompatibilities**

**Packing** : Coextruded polyethylene bottles .  
**Storage** : Keep locked up . Keep container tightly closed. Avoid exposure to excessive heat or cold. Keep only in the original container in a cool, well ventilated place.

**7.3. Specific end use(s)**

**SECTION 8. Exposure controls/personal protection**

**8.1. Control parameters**

**TLV<sup>©</sup>** : Not established

**8.2. Exposure controls**

**Personal protection** : Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower . Wash clothing before re-using. Wash hands thoroughly after handling.  
: Read the label before use.  
• **Respiratory protection** : During spraying wear suitable respiratory equipment.  
• **Hand protection** : Wear suitable gloves.  
• **Skin protection** : Wear suitable protective clothing .  
• **Eye protection** : Chemical goggles or safety glasses.

**SECTION 9. Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance** : Liquid  
**Colour** : Clear , Yellowish  
**Odour** : Characteristic - aromatic  
**Odour threshold** : Not available  
**pH** : 4.0 - 8.0 (1% H2O)  
**Melting point / Freezing point** : Data not available.

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**SECTION 9. Physical and chemical properties (continued)**

Initial boiling point - boiling range	: Data not available.
Flash point	: 50
Evaporation rate	: Data not available.
Flammability	: Flammable.
Explosion limits (lower - upper)	: Data not available.
Vapour pressure	: Data not available.
Vapour density	: Data not available.
Relative density	: 0.90 - 0.94 g/ml
Solubility	: Data not available.
Partition coefficient : n-octanol / water	: Acetamiprid: 0.80 (25 °C); Bifenthrin: >6.
Auto-ignition temperature	: Data not available.
Decomposition temperature	: Data not available.
Viscosity	: Data not available.
Explosive Properties	: Data not available.
Oxidising properties	: Data not available.

**9.2. Other information**

: Not available

**SECTION 10. Stability and reactivity**

**10.1. Reactivity**

**10.2. Chemical stability**

Chemical stability : Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions : None known.

**10.4. Conditions to avoid**

Conditions to avoid : Protect from sunlight , open flame and sources of heat .  
Decomposes upon heating.

**10.5. Incompatible materials**

Materials to avoid : Avoid contact with : strong acids , strong bases .

**10.6. Hazardous decomposition products**

Hazardous decomposition products : Thermal decomposition may generate : CO x , NO x , chlorides , fluorides , toxic and irritating fumes .

**SECTION 11. Toxicological information**

**11.1. Information on toxicological effects**

- Acute toxicity
  - Oral, Rat LD50 (mg/kg) : 1098
  - Dermal, Rat LD50 [mg/kg] : > 2000
  - Inhalation, Rat LC50 [mg/l/4h] : > 2.5
- Skin corrosion/irritation : Mildly irritating
- Serious eye damage/irritation : Severely irritating

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**SECTION 11. Toxicological information (continued)**

- Respiratory or skin sensitisation : Non sensitizer ( skin )
- Germ cell mutagenicity : No mutagenic effect.
- Carcinogenicity : No evidence of carcinogenicity
- Reproductive toxicity : Not considered to be toxic for the reproductive system.
- STOT-single exposure : Not available
- STOT-repeated exposure : Not available
- Aspiration hazard : Not available

**SECTION 12. Ecological information**

**12.1. Toxicity**

Acute toxicity

- 96 Hour - LC50- fish [mg/l] : 0.49 ( guppy )
- 48 H-LC50-Daphnia magna [mg/l] : 0.4
- 72 H-EC50 - Algae [mg/l] : 0.49
- Bees LD50 [µg/bee] : 0.46 ( Oral ) : 5.29 ( Contact )

Long-term exposure

**12.2. Persistence - degradability**

**12.3. Bioaccumulative potential**

**12.4. Mobility in soil**

**12.5. Results of PBT and vPvB assessment**

: Not available

**12.6. Other adverse effects**

: None known.

**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

- General : Dispose of this material and its container at hazardous or special waste collection point.

**SECTION 14. Transport information**

**14.1. UN number**

- UN N° : 1993

**14.2. UN proper shipping name**

- Land transport - ADR/RID : FLAMMABLE LIQUID, N.O.S. (>1% Cyclohexanone)
- Proper shipping name : FLAMMABLE LIQUID, N.O.S. (>1% Cyclohexanone)
- H.I. no : 30
- Sea transport - IMO-IMDG : FLAMMABLE LIQUID, N.O.S. (>1% Cyclohexanone)
- Air transport - ICAO/IATA : FLAMMABLE LIQUID, N.O.S. (>1% Cyclohexanone)

**14.3. Transport hazard class(es)**

- Land transport - ADR/RID : 3

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**SECTION 14. Transport information (continued)**

- Sea transport - IMO-IMDG : 3
- IMO-IMDG - class or division : 3
- Air transport - ICAO/IATA : 3

**14.4. Packing group**

- Land transport - ADR/RID : III
- Packing group : III
- Sea transport - IMO-IMDG : III
- Air transport - ICAO/IATA : III

**14.5. Environmental hazards**

- IMDG-Marine pollution : Marine pollutant - Polluant marin

**14.6. Special precautions for user**

: See transport documents.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

: Not applicable.

Hazard Label(s)



: 3 : Flammable liquid.

**SECTION 15. Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

: Ensure all national/local regulations are observed.

**15.2. Chemical Safety Assessment**

: Not applicable

**SECTION 16. Other information**

List of relevant R phrases (heading 3) : R10 - Flammable.  
R20 - Harmful by inhalation.  
R22 - Harmful if swallowed.  
R41 - Risk of serious damage to eyes.  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 - Harmful : may cause lung damage if swallowed.

List of relevant H phrases (Section 3) : H226 - Flammable liquid and vapour.  
H302 - Harmful if swallowed.  
H304 - May be fatal if swallowed and enters airways.  
H318 - Causes serious eye damage.  
H332 - Harmful if inhaled.  
H412 - Harmful to aquatic life with long lasting effects.

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CHEMICAL WORKS LTD.

**SAFETY DATA SHEET**  
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**SECTION 16. Other information (continued)**

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