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<p style="text-align: center;"><b>Bayer Agriculture BVBA</b> Safety Data Sheet Commercial Product</p>
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## 1. PRODUCT AND COMPANY IDENTIFICATION

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### 1.1. Product identifier

#### **Bullet**

#### 1.1.1. Chemical name

Not applicable for a mixture.

#### 1.1.2. Synonyms

None.

#### 1.1.3. CLP Annex VI Index No.

Not applicable.

#### 1.1.4. C&L ID No.

Not available.

#### 1.1.5. EC No.

Not applicable for a mixture.

#### 1.1.6. REACH Reg. No.

Not applicable for a mixture.

#### 1.1.7. CAS No.

Not applicable for a mixture.

### 1.2. Product use

Herbicide

### 1.3. Company/(Sales office)

Bayer Agriculture BVBA  
Haven 627, Scheldelaan 460, B-2040  
Antwerp, Belgium  
**Telephone:** +32 (0)3 568 51 11  
**Fax:** +32 (0)3 568 50 90  
**E-mail:** safety.datasheet@monsanto.com

### 1.4. Emergency numbers

**Telephone:** Belgium +32 (0)3 568 51 23

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## 2. HAZARDS IDENTIFICATION

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### 2.1. Classification

#### 2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP] (manufacturer self-classification)

Acute toxicity, oral - Category 4  
Acute toxicity, inhalation - Category 4  
Eye damage/irritation - Category 2  
Skin sensitization - Category 1  
STOT SE - Category 3, Respiratory irritant  
STOT RE - Category 2  
Carcinogenicity - Category 2  
Aquatic Acute - Category 1 (M=100)  
Aquatic Chronic - Category 1 (M=10)  
H302 Harmful if swallowed.

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H332	Harmful if inhaled.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H373	May cause damage to kidney through prolonged or repeated exposure.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

## 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

### Hazard pictogram/pictograms



### Signal word

Warning

### Hazard statement/statements

H302	Harmful if swallowed.
H332	Harmful if inhaled.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H373	May cause damage to kidney through prolonged or repeated exposure.
H351	Suspected of causing cancer.
H410	Very toxic to aquatic life with long lasting effects.

### Precautionary statement/statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/eye/face protection.
P301	IF SWALLOWED:
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P308+311	IF exposed or concerned: Call a POISON CENTER/doctor.
P302	IF ON SKIN:
P352	Wash with plenty of water.
P333+313	If skin irritation or rash occurs: get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P305	IF IN EYES:
P351+338	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an installation for the handling of hazardous waste approved by the competent

authority.

**Supplemental hazard information**

EUH401

To avoid risks to human health and the environment, comply with the instructions for use.

EUH208

Contains Furilazole and Acetochlor. May cause an allergic reaction.

**2.3. Other hazards**

% of the mixture consists of ingredient/ingredients of unknown acute toxicity.

% of the mixture consists of ingredient/ingredients of unknown hazards to the aquatic environment.

**2.4. Appearance and odour (colour/form/odour)**

White-Whitish /Liquid / No information.

Refer to section 11 for toxicological and section 12 for environmental information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance:** Not applicable.

**3.2 Mixture:** Yes.

**Composition/information on ingredients**

Components	CAS No.	EC No.	EU Index No. / REACH Reg. No. / C&L ID No.	Concentration	Classification
Acetochlor	34256-82-1	251-899-3	616-037-00-6 / - / 02-2119558001-52- 0000	22,5 %	Acute toxicity - Category 4, STOT SE - Category 3, Respiratory irritant, Skin corrosion/irritation - Category 2, Skin sensitization - Category 1, Aquatic Acute - Category 1, Aquatic Chronic - Category 1, Carcinogenicity - Category 2, STOT RE - Category 2; H302, 315, 317, 332, 335, 351, 373, 400, 410
Terbutylazine	5915-41-3		- / - / -	20,00 %	Acute toxicity - Category 4, Aquatic Acute - Category 1, Aquatic Chronic - Category 1; H302, 400, 410
Atrazine	1912-24-9		- / - / -	20,00 %	Skin sensitization - Category 1, STOT RE - Category 2, Aquatic Acute - Category 1, Aquatic Chronic - Category 1; H317, 373, 400, 410
Safener (Furilazole)	121776-33-8	601-807-6	- / 01-2119963381-37- 0000 / 02-2119558332-41- 0000	1,00 %	Acute toxicity - Category 4, Skin sensitization - Category 1A, Aquatic Chronic - Category 2, Carcinogenicity - Category 2, STOT RE - Category 2; H302, 317, 411, 351, 373
Tributyl phenol polyglycol ether	9046-09-7		- / - / -	5,0 %	Acute toxicity, oral - Category 4, Eye damage/irritation - Category 1, Aquatic Chronic - Category 2; H302, 318, 411; {d}
Water and minor formulating ingredients			- / - / -	31,5000 %	Not classified as dangerous.;

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#### Active ingredient

- 2-Chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl) acetamide; {Acetochlor}
- N-tert-butyl-6-chloro-N'-ethyl-(1,3,5)triazine-2,4-diamine; {Terbuthylazine}
- 6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine; {Atrazine}

Full text of classification code: See section 16.

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### 4. FIRST AID MEASURES

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Use personal protection recommended in section 8.

#### 4.1. Description of first aid measures

##### 4.1.1. Eye contact

Immediately flush with plenty of water. If easy to do, remove contact lenses.

##### 4.1.2. Skin contact

Immediately wash affected skin with plenty of water. Use soap if available. Pay particular attention to skin crevices, nail folds, scalp, etc. Take off contaminated clothing, wristwatch, jewellery. If spilled into boots, remove immediately. Wash clothes and clean shoes before re-use. If there are persistent symptoms, obtain medical advice.

##### 4.1.3. Inhalation

Remove to fresh air.

##### 4.1.4. Ingestion

Immediately give a suspension of activated charcoal to drink. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms occur, get medical attention.

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

##### 4.2.1. Potential health effects

**Likely routes of exposure:** Skin contact, eye contact

**Eye contact, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

**Skin contact, short term:** Irritating to skin. May cause allergic skin reaction.

**Single ingestion:** Harmful if swallowed.

**Repeated exposure:** Danger of serious damage to health by prolonged oral exposure.

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

Not applicable.

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### 5. FIRE-FIGHTING MEASURES

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#### 5.1. Extinguishing media

5.1.1. **Recommended:** Water, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

#### 5.2. Special hazards

##### 5.2.1. Unusual fire and explosion hazards

Environmental precautions: see section 6. Minimise use of water to prevent environmental contamination. Consult an expert.

##### 5.2.2. Hazardous products of combustion

Carbon monoxide (CO), Hydrogen chloride (HCl), Nitrogen oxides (NO<sub>x</sub>)

#### 5.3. Advice for firefighters

Self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

#### 5.4. Flash point

Not available.

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## 6. ACCIDENTAL RELEASE MEASURES

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Use handling recommendations in Section 7 and personal protection recommendations in Section 8.

### 6.1. Personal precautions

Avoid all direct contact. Warn everybody of irritant/corrosive hazard. Keep all non-essential people away from affected area. Use personal protection recommended in section 8.

### 6.2. Environmental precautions

Contain spillage with sand bags or other means. Minimise spread. Keep out of drains, sewers, ditches and water ways. Notify authorities.

### 6.3. Methods for cleaning up

Absorb in earth, sand or absorbent material. Dig up heavily contaminated soil. Collect in containers for disposal. Place leaking containers in oversize leakproof drums for transport. Minimise use of water to prevent environmental contamination.

Refer to section 13 for disposal of spilled material.

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## 7. HANDLING AND STORAGE

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### 7.1. Precautions for safe handling

Good industrial practice in housekeeping and personal hygiene should be followed. Only trained personnel should use this product. Ensure that first-aid provisions are available. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling or contact. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. Thoroughly clean equipment after use. Do not contaminate drains, sewers and water ways when disposing of equipment rinse water. Refer to section 13 of the safety data sheet for disposal of rinse water.

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

**Compatible materials for storage:** High-density polyethylene (HDPE)

**Incompatible materials for storage:** unlined mild steel

Keep out of reach of children. Keep away from food, drink and animal feed. Keep only in the original container. Use appropriate containment to avoid environmental contamination. Partial crystallization may occur on prolonged storage below the minimum storage temperature. If frozen, place in warm room and shake frequently to put back into solution. Minimum shelf life: 2 years.

### 7.3. Specific end use(s)

Not applicable.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1. Control parameters

Airborne exposure limits

Components	Exposure Guidelines
Acetochlor	No specific occupational exposure limit has been established.
Terbuthylazine	No specific occupational exposure limit has been established.
Atrazine	TLV (ACGIH): 2 mg/m <sup>3</sup> (TWA): A3: Animal carcinogen
Safener (Furilazole)	TLV (ACGIH): No specific occupational exposure limit has been established.

	NCEL (New Chemical Exposure Limit): 0,1 mg/m3 (TWA)
Tributyl phenol polyglycol ether	No specific occupational exposure limit has been established.
Water and minor formulating ingredients	No specific occupational exposure limit has been established.

## 8.2. Exposure controls

### Engineering controls

Have safety shower available at locations where skin contact can occur.

### Eye protection:

If there is significant potential for contact: Wear chemical goggles.

### Skin protection:

Wear chemical resistant gloves.

Wear face shield. Wear chemical resistant clothing/footwear.

### Respiratory protection:

If airborne exposure is excessive: Wear respirator. Full facepiece/hood/helmet respirator replaces need for chemical goggles.

When recommended, consult manufacturer of personal protective equipment for the appropriate type of equipment for a given application.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

### 9.1 Information on basic physical and chemical properties

Colour/colour range:	White - Whitish
Form:	Liquid
Odour:	No information.
Odour threshold:	No data.
Physical form changes (melting, boiling, etc.):	
Melting point:	No data.
Boiling point:	No data.
Flash point:	Not available.
Explosive properties:	No explosive properties
Auto ignition temperature:	No data.
Self-accelerating decomposition temperature (SADT):	No data.
Oxidizing properties:	No data.
Specific gravity:	1,116
Vapour pressure:	No significant volatility; aqueous solution.
Vapour density:	Not applicable.
Dynamic viscosity:	~ 1,300 mPa·s @ 20 °C 2,52 1/s
Kinematic viscosity:	No data.
Density:	1,116 g/cm3 @ 20 °C
Solubility:	No data.
pH:	6,1 @ 10 g/l

Partition coefficient:	log Pow: 4,14 @ 20 °C (Acetochlor)
	log Pow: 3,2 @ 25 °C (Terbutylazine)
	Pow: 2,7 (Atrazine)
	log Pow: 2,12 @ 23 °C (safener)

## 9.2 Other information

Evaporation rate:	No data.
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## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

None

### 10.2. Chemical stability

Stable under normal conditions of handling and storage.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

None

### 10.5. Incompatible materials

Incompatible materials for storage: unlined mild steel

Compatible materials for storage: see section 7.2.

### 10.6. Hazardous decomposition products

Hazardous products of combustion: see section 5.

## 11. TOXICOLOGICAL INFORMATION

This section is intended for use by toxicologists and other health professionals.

### 11.1. Information on toxicological effects

**Acute oral toxicity:** Category 4

**Acute dermal toxicity:** Based on available data classification criteria are not met.

**Acute inhalation toxicity:** Category 4

**Skin corrosion/irritation:** Based on available data classification criteria are not met.

**Eye corrosion/irritation:** Category 2

**Skin sensitization:** Category 1

**Respiratory sensitization:** Based on available data classification criteria are not met.

**Mutagenicity:** Based on available data classification criteria are not met.

**Carcinogenicity:** Category 2

**Reproductive/Developmental Toxicity:** Based on available data classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure:** STOT SE - Category 3, Respiratory irritant

**Specific Target Organ Toxicity - Repeated Exposure:** Category 2

**Aspiration hazard:** Based on available data classification criteria are not met.

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

##### Potential health effects

**Likely routes of exposure:** Skin contact, eye contact

**Eye contact, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

**Skin contact, short term:** Irritating to skin. May cause allergic skin reaction.

**Single ingestion:** Harmful if swallowed.

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**Repeated exposure:** Danger of serious damage to health by prolonged oral exposure.

If available, data obtained on similar products and/or on components are summarized below.

**Similar formulation without atrazine**

**Acute oral toxicity**

**Rat, female, LD50:** 1.137 mg/kg body weight

Target organs/systems: central nervous system, gastro-intestinal tract, liver, spleen

Other effects: breathing difficulty, prostration, trembling (tremors), clinical signs

**Acute dermal toxicity**

**Rat, LD50:** > 2.000 mg/kg body weight

No mortality.

**Skin irritation**

**Rabbit, 3 animals, OECD 404 test:**

Redness, individual EU scores: 2; 2; 1,67

Swelling, individual EU scores: 1,67; 2,0; 1,67

Days to heal: > 14

**Eye irritation**

**Rabbit, 3 animals, OECD 405 test:**

Conjunctival redness, individual EU scores: 2,67; 2,33; 1,0

Conjunctival swelling, individual EU scores: 2,0; 1,33; 0,67

Corneal opacity, individual EU scores: 0,67; 0,33; 0,0

Iris lesions, individual EU scores: 0,0; 0,33; 0,0

Days to heal: 14

Slightly irritating to eyes but not sufficient for classification.

**Atrazine**

**Acute oral toxicity**

**Rat, LD50:** 1.869 mg/kg body weight

Other effects: decreased activity

**Mouse, LD50:** 3.992 mg/kg body weight

Other effects: decreased activity

**Acute dermal toxicity**

**Rat, LD50:** > 3.100 mg/kg body weight

Other effects: none

No mortality.

**Acute inhalation toxicity**

**Rat, LC50 (limit test), 4 hours, dust:** > 5,148 mg/L

Other effects: decreased activity

No mortality.

**Skin sensitization**

**Guinea pig, maximisation test:**

Positive incidence: 70 %

**Genotoxicity**

Not genotoxic.

**Carcinogenicity**

Mammary tumours in rats. Mode(s) of action not relevant to humans.

**Reproductive/Developmental Toxicity**

No reproductive effects in rats. Developmental effects in rats and rabbits only in the presence of significant maternal toxicity.

**Acetochlor**



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**Acute inhalation toxicity**

**Rat, LC50, 4 hours, aerosol:**

Maximum attainable concentration. No mortality. Practically non-toxic.

**Skin sensitization**

**Guinea pig, 9-induction Buehler test:**

Positive incidence: 100 %

Positive.

**Genotoxicity**

Not genotoxic on the basis of weight of evidence analysis.

**Repeated dose toxicity**

Target organs/systems: ; kidneys

**Carcinogenicity**

Nasal and thyroid tumours in rats. Mode(s) of action not relevant to humans.

Liver tumours in rats and mice. Only above the MTD. Not relevant to humans.

Lung tumours and histiocytic sarcomas in mice. Probably not treatment related.

**Reproductive/Developmental Toxicity**

Reproductive effects in rats only in the presence of significant maternal toxicity. Developmental

effects in rats only in the presence of significant maternal toxicity. No developmental effects in

rabbits. Testicular damage in dogs only in the presence of substantial systemic toxicity.

**EXPERIENCE WITH HUMAN EXPOSURE**

**Skin contact, short term, occupational:**

**Skin effects:** sensitization in susceptible individuals

**Terbutylazine**

**Acute inhalation toxicity**

**Rat, LC50, 4 hours, aerosol:** > 5,3 mg/L

Practically non-toxic.

**Skin sensitization**

**Guinea pig, maximisation test:**

No skin sensitization

**Genotoxicity**

Not genotoxic.

**Carcinogenicity**

Mammary tumours in rats. Only above the MTD.

Testes (Leydig cell) tumours in rats. Only above the MTD.

Not carcinogenic in mice.

**Reproductive/Developmental Toxicity**

No developmental effects in rabbits. Developmental effects in rats only in the presence of significant maternal toxicity.

**Atrazine**

**Acute inhalation toxicity**

**Rat, LC50 (limit test), 4 hours, dust:** > 5,148 mg/L

Other effects: decreased activity

No mortality.

**Skin sensitization**

**Guinea pig, maximisation test:**

Positive incidence: 70 %

**Genotoxicity**

Not genotoxic.

**Carcinogenicity**

Mammary tumours in rats. Mode(s) of action not relevant to humans.

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**Reproductive/Developmental Toxicity**

No reproductive effects in rats. Developmental effects in rats and rabbits only in the presence of significant maternal toxicity.

**Safener (Furilazole)**

**Acute inhalation toxicity**

**Rat, LC50, 4 hours, dust:**

Maximum attainable concentration. No mortality. Practically non-toxic.

**Skin sensitization**

**Guinea pig, maximisation test:**

Positive.

**Genotoxicity**

Not genotoxic on the basis of weight of evidence analysis.

**Repeated dose toxicity**

Target organs/systems: ; liver

**Carcinogenicity**

Liver tumours in rats and mice. Only at doses that caused significant hepatotoxicity. Questionable relevance to humans.

Lung tumours in mice. Only at doses that caused chronic inflammation. Questionable relevance to humans.

Testes (Leydig cell) tumours in rats. Questionable relevance to humans.

Forestomach tumours in rats. Only at doses that caused substantial irritation. Not relevant to humans.

**Reproductive/Developmental Toxicity**

No reproductive effects in rats. No developmental effects in rabbits. Developmental effects in rats only in the presence of maternal toxicity.

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**12. ECOLOGICAL INFORMATION**

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This section is intended for use by ecotoxicologists and other environmental specialists.

If available, data obtained on similar products and/or on components are summarized below.

**12.1 Toxicity**

No data.

**12.2 Persistence and degradability**

No data.

**12.3 Bioaccumulative potential**

Refer to section 9 for partition coefficient data.

**12.4 Mobility in soil**

No data.

**12.5 Results of PBT and vPvB assessment**

Not a persistent, bioaccumulative or toxic (PBT) nor a very persistent, very bioaccumulative (vPvB) mixture.

**12.6 Other adverse effects**

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**12.7 Additional information**

If available, data obtained on similar products and/or on components are summarized below.

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**Similar formulation without atrazine**

**Aquatic toxicity, fish**

**Rainbow trout (*Oncorhynchus mykiss*):**

Acute toxicity, 96 hours, flowthrough, LC50: 1,26 mg/L

**Aquatic toxicity, invertebrates**

**Water flea (*Daphnia magna*):**

Acute toxicity, 48 hours, static, EC50: 11,7 mg/L

**Aquatic toxicity, algae/aquatic plants**

**Green algae (*Selenastrum capricornutum*):**

Acute toxicity, 72 hours, ErC50 (growth rate): 6,64 µg/L  
Effect reversible.

**Green algae (*Selenastrum capricornutum*):**

Acute toxicity, 72 hours, static, NOEC (growth rate): 2,5 µg/L

**Duckweed (*Lemna minor*):**

Acute toxicity, 7 days, static, EC50: 13,2 µg/L  
Plant recovers when toxicant is removed. Effect reversible.

**Atrazine**

**Aquatic toxicity, fish**

**Bluegill sunfish (*Lepomis macrochirus*):**

Acute toxicity, 96 hours, LC50: 8 mg/L

**Rainbow trout (*Oncorhynchus mykiss*):**

Acute toxicity, 96 hours, LC50: 8,8 mg/L

**Aquatic toxicity, invertebrates**

**Water flea (*Daphnia magna*):**

Acute toxicity, 48 hours, EC50: 6,9 mg/L

**Aquatic toxicity, algae/aquatic plants**

**Green algae (*Selenastrum capricornutum*):**

Acute toxicity, 96 hours, static, EC50: 4 - 130 µg/L

**Duckweed (*Lemna gibba*):**

Acute toxicity, 5 days, EC50: 170 µg/L

**Arthropod toxicity**

**Honey bee (*Apis mellifera*):**

Contact, 48 hours, LD50: > 97 µg/bee

**Bioaccumulation**

**Bluegill sunfish (*Lepomis macrochirus*):**

Edible portion: BCF: 8  
Rapid depuration after end of exposure.

**Bluegill sunfish (*Lepomis macrochirus*):**

Whole fish: BCF: 15  
Rapid depuration after end of exposure.

**Acetochlor**

**Arthropod toxicity**

**Honey bee (*Apis mellifera*):**

Oral, 48 hours, LD50: > 100 µg/bee

**Honey bee (*Apis mellifera*):**

Contact, 48 hours, LD50: > 200 µg/bee

**Bioaccumulation**

**Bluegill sunfish (*Lepomis macrochirus*):**

Whole fish: BCF: 20  
Rapid depuration after end of exposure.

**Dissipation**

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**Water, aerobic, 20 °C:**  
Half life: 25,9 - 55,1 days  
**Soil, aerobic, 20 °C:**  
Half life: 3,4 - 29 days  
Koc: 74 - 422

**Terbuthylazine**

**Arthropod toxicity**

**Honey bee (*Apis mellifera*):**  
Oral/contact, 48 hours, LD50: > 100 µg/bee

**Bioaccumulation**

**Bluegill sunfish (*Lepomis macrochirus*):**  
Whole fish: BCF: 34  
Rapid depuration after end of exposure.

**Hydrolysis**

Stable

**Dissipation**

**Soil, aerobic, 20 °C:**  
Half life: 56 - 136,4 days

**Biodegradation**

Degradation: 2 - 3 % within 28 days  
Not readily biodegradable.

**Safener (Furilazole)**

Data obtained on components are summarized below.

**Arthropod toxicity**

**Honey bee (*Apis mellifera*):**  
Contact, 48 hours, LD50: > 100 µg/bee

**Photochemical degradation**

**Water:**  
Half life: 30 days

**Dissipation**

**Soil, aerobic, 20 °C:**  
Half life: 52 - 78 days  
Koc: 56 - 341 L/kg

**Water, aerobic, 20 °C:**  
Half life: 6 days

**Biodegradation**

**Manometric respirometry test:**  
Degradation: 1 % within 28 days  
Not readily biodegradable.

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## 13. DISPOSAL CONSIDERATIONS

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### 13.1. Waste treatment methods

#### 13.1.1. Product

Follow current edition of the General Waste, Landfill, and Burning of Hazardous Waste Directives; and the Shipment of Waste Regulation. Disposal as hazardous waste can only be done in an authority-approved hazardous waste incinerator. Disposal in an industrial waste incinerator with energy recovery is recommended. Keep out of drains, sewers, ditches and water ways.

#### 13.1.2. Container

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Follow all local/regional/national/international regulations on waste disposal, packaging waste collection/disposal. Follow current edition of the General Waste, Landfill, and Burning of Hazardous Waste Directives; and the Shipment of Waste Regulation. Do NOT re-use containers. Triple or pressure rinse empty containers. Pour rinse water into spray tank. Properly rinsed container can be disposed as a non hazardous industrial waste. Store for collection by approved waste disposal service. Recycle if appropriate facilities/equipment available. Recycle the non-hazardous container only when a proper control on the end use of the recycled plastic is possible. Suitable for industrial grade recycling only. Do NOT recycle plastic that could end in any human or food contact application. This package meets the requirements for energy recovery. Disposal in an incinerator with energy recovery is recommended. Disposal as hazardous waste can only be done in an authority-approved hazardous waste incinerator.

Use handling recommendations in Section 7 and personal protection recommendations in Section 8.

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## 14. TRANSPORT INFORMATION

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The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

### ADR/RID

- 14.1 UN No.: UN 3082
- 14.2 Proper Shipping Name (Technical Name if required): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Acetochlor, Terbutylazine)
- 14.3 Transport hazard class: 9
- 14.4 Packing Group: III
- 14.5 Environmental hazards: MARINE POLLUTANT
- 14.6 Special precautions for the user: Not applicable.
- 14.7 Kemler: 90

### IMO

- 14.1 UN No.: UN 3082
- 14.2 Proper Shipping Name (Technical Name if required): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Acetochlor, Terbutylazine)
- 14.3 Transport hazard class/(Subsidiary hazard/hazards): 9
- 14.4 Packing Group: III
- 14.5 Environmental hazards: MARINE POLLUTANT
- 14.6 Special precautions for the user: Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

### IATA/ICAO

- 14.1 UN No.: UN 3082
- 14.2 Proper Shipping Name (Technical Name if required): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Acetochlor, Terbutylazine)
- 14.3 Transport hazard class/(Subsidiary hazard/hazards): 9
- 14.4 Packing Group: III
- 14.5 Environmental hazards: MARINE POLLUTANT
- 14.6 Special precautions for the user: Not applicable.

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## 15. REGULATORY INFORMATION

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15.1. Safety, health and environmental regulations/legislation specific for the substance/mixture  
SP1 Do not contaminate water with the product or its container.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment per Regulation (EC) No. 1907/2006 is not required and has not been performed.  
A Risk Assessment has been performed under Regulation EC 1107/2009.

## 16. OTHER INFORMATION

The information given here is not necessarily exhaustive but is representative of relevant, reliable data.

Follow all local/regional/national/international regulations.

Please consult supplier if further information is needed.

In this document the British spelling was applied.

This Safety Data Sheet has been prepared following the EU Directive 91/155/EEC as last amended by EU Directive 2001/58/EC and according to EU Regulation 1907/2006.

|| Significant changes versus previous edition.

### Classification of components

Components	Classification
Acetochlor	Acute toxicity - Category 4 STOT SE - Category 3, Respiratory irritant Skin corrosion/irritation - Category 2 Skin sensitization - Category 1 Aquatic Acute - Category 1 Aquatic Chronic - Category 1 Carcinogenicity - Category 2 STOT RE - Category 2 H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to kidney through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Terbuthylazine	Acute toxicity - Category 4 Aquatic Acute - Category 1 Aquatic Chronic - Category 1 H302 Harmful if swallowed. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Atrazine	Skin sensitization - Category 1 STOT RE - Category 2 Aquatic Acute - Category 1 Aquatic Chronic - Category 1 H317 May cause an allergic skin reaction. H373 May cause damage to organs (organs not specified) through prolonged or repeated exposure H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Safener (Furilazole)	Acute toxicity - Category 4 Skin sensitization - Category 1A Aquatic Chronic - Category 2 Carcinogenicity - Category 2 STOT RE - Category 2 H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. H351 Suspected of causing cancer. H373 May cause damage to liver through prolonged or repeated exposure.
Tributyl phenol polyglycol ether	Acute toxicity, oral - Category 4 Eye damage/irritation - Category 1 Aquatic Chronic - Category 2

	H302 Harmful if swallowed. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
Water and minor formulating ingredients	Not classified as dangerous.

Endnotes:

- {a} EU label (manufacturer self-classification)
- {b} EU label (Annex I)
- {c} EU CLP classification (Annex VI)
- {d} EU CLP (manufacturer self-classification)

Full denomination of most frequently used acronyms. BCF (Bioconcentration Factor), BOD (Biochemical Oxygen Demand), COD (Chemical Oxygen Demand), EC50 (50% effect concentration), ED50 (50% effect dose), I.M. (intramuscular), I.P. (intraperitoneal), I.V. (intravenous), Koc (Soil adsorption coefficient), LC50 (50% lethality concentration), LD50 (50% lethality dose), LDLo (Lower limit of lethal dosage), LEL (Lower Explosion Limit), LOAEC (Lowest Observed Adverse Effect Concentration), LOAEL (Lowest Observed Adverse Effect Level), LOEC (Lowest Observed Effect Concentration), LOEL (Lowest Observed Effect Level), MEL (Maximum Exposure limit), MTD (Maximum Tolerated Dose), NOAEC (No Observed Adverse Effect Concentration), NOAEL (No Observed Adverse Effect Level), NOEC (No Observed Effect Concentration), NOEL (No Observed Effect Level), OEL (Occupational Exposure Limit), PEL (Permissible Exposure Limit), PII (Primary Irritation Index), Pow (Partition coefficient n-octanol/water), S.C. (subcutaneous), STEL (Short-Term Exposure Limit), STOT SE (Specific Target Organ Toxicity, Single Exposure), STOT RE (Specific Target Organ Toxicity, Repeated Exposure), TLV-C (Threshold Limit Value-Ceiling), TLV-TWA (Threshold Limit Value - Time Weighted Average), UEL (Upper Explosion Limit)

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

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## Safety Data Sheet (SDS) Annex

Chemical Safety Report:

Read and follow label instructions.

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End of document

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