

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : 525.3 Pesticides Standard  
Product code : AL0-101625; AL0-101634  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Laboratory Use  
Industrial/Professional use spec : Industrial  
For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Phenova  
6390 Joyce Dr. Suite 100  
80403 Golden, CO - United States  
T 1-866-942-2978 - F 1-866-283-0269  
[info@phenova.com](mailto:info@phenova.com) - [www.phenova.com](http://www.phenova.com)

#### 1.4. Emergency telephone number

Emergency number : ChemTel Assistance (US/Canada) 1-800-255-3924  
ChemTel Assistance (International) +1 813-248-0585

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

|                       |      |
|-----------------------|------|
| Flam. Liq. 2          | H225 |
| Acute Tox. 3 (Oral)   | H301 |
| Acute Tox. 3 (Dermal) | H311 |
| STOT SE 1             | H370 |
| Aquatic Acute 1       | H400 |
| Aquatic Chronic 1     | H410 |

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11  
T; R23/24/25  
T; R39/23/24/25  
N; R50/53

Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazardous ingredients

: alpha-BHC; chlorpyrifos; ethoprophos; methanol; s,s,s-Tributylphosphorotrithioate

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- Hazard statements (CLP) : H225 - Highly flammable liquid and vapor  
H301+H311 - Toxic if swallowed or in contact with skin  
H370 - Causes damage to organs  
H410 - Very toxic to aquatic life with long lasting effects
- Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P273 - Avoid release to the environment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse  
P391 - Collect spillage  
P403+P235 - Store in a well-ventilated place. Keep cool
- EUH phrases : EUH208 - Contains ethoprophos(13194-48-4), permethrin(52645-53-1). May produce an allergic reaction

No labeling applicable

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name   | Product identifier   | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|--|---|---|
| methanol<br>(Component)                            | (CAS No) 67-56-1<br>(EC no) 200-659-6<br>(EC index no) 603-001-00-X    | 99.1  | Flam. Liq. 2, H225<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>STOT SE 1, H370                                  |
| alpha-BHC<br>(Component)                           | (CAS No) 319-84-6<br>(EC no) 206-270-8<br>(EC index no) 602-042-00-0   | 0.1   | Acute Tox. 3 (Oral), H301<br>Acute Tox. 4 (Dermal), H312<br>Carc. 2, H351<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10)                           |
| chlorpyrifos<br>(Component)                        | (CAS No) 2921-88-2<br>(EC no) 220-864-4<br>(EC index no) 015-084-00-4  | 0.1   | Acute Tox. 3 (Oral), H301<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)   |
| ethoprophos<br>(Component)                         | (CAS No) 13194-48-4<br>(EC no) 236-152-1<br>(EC index no) 015-107-00-8 | 0.1   | Acute Tox. 2 (Oral), H300<br>Acute Tox. 1 (Dermal), H310<br>Acute Tox. 2 (Inhalation), H330<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| profenofos<br>(Component)                          | (CAS No) 41198-08-7<br>(EC no) 255-255-2<br>(EC index no) 015-135-00-0 | 0.1   | Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Oral), H302<br>Aquatic Acute 1, H400 (M=1000)<br>Aquatic Chronic 1, H410              |
| Oxyfluorfen<br>(Component)                         | (CAS No) 42874-03-3<br>(EC no) 255-983-0                               | 0.1   | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| permethrin<br>(Component)                          | (CAS No) 52645-53-1<br>(EC no) 258-067-9<br>(EC index no) 613-058-00-2 | 0.1   | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=1000)<br>Aquatic Chronic 1, H410 (M=1000)              |
| s, s, s-Tributylphosphorotrithioate<br>(Component) | (CAS No) 78-48-8<br>(EC no) 201-120-8                                  | 0.1   | Acute Tox. 3 (Oral), H301<br>Acute Tox. 2 (Dermal), H310<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410  |
| tebuconazole<br>(Component)                        | (CAS No) 107534-96-3<br>(EC index no) 603-197-00-7                     | 0.1   | Repr. 2, H361d<br>Acute Tox. 4 (Oral), H302<br>Aquatic Chronic 2, H411  |
| Name   | Product identifier   | Specific concentration limits                               |   |
| methanol<br>(Component)                            | (CAS No) 67-56-1<br>(EC no) 200-659-6<br>(EC index no) 603-001-00-X    | ( 3 =<C < 10) STOT SE 2, H371<br>( C >= 10) STOT SE 1, H370 |   |

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a poison center or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call a poison center or doctor/physician.

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

- Symptoms/injuries after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
- Symptoms/injuries after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Fire hazard : Highly flammable liquid and vapor.
- Explosion hazard : May form flammable/explosive vapor-air mixture.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapors/spray.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

- Methods for cleaning up : Take up in absorbent material. Collect spillage.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools.
- Hygiene measures : Do not eat, drink or smoke when using this product. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

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

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.
- Storage conditions : Keep in fireproof place. Keep container tightly closed. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.

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Incompatible materials : Direct sunlight. Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Either local exhaust or general room ventilation is usually required.  
Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.



Hand protection : Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration.  
Eye protection : Chemical goggles or safety glasses. Safety glasses.  
Skin and body protection : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.  
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.  
Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Color : Colorless.  
Odor : characteristic.  
pH : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : Highly flammable liquid and vapor  
Relative density : No data available  
Solubility : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosion limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

### 10.5. Incompatible materials

No additional information available

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### 10.6. Hazardous decomposition products

May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.

| <b>525.3 Pesticides Standard</b>                |  |
|---|--|
| ATE CLP (oral)                                  | 100.362 mg/kg body weight  |
| ATE CLP (dermal)                                | 298.320 mg/kg body weight  |
| <b>alpha-BHC (319-84-6)</b>                     |  |
| LD50 oral rat                                   | 177 mg/kg (Rat)  |
| ATE CLP (oral)                                  | 177.000 mg/kg body weight  |
| ATE CLP (dermal)                                | 1100.000 mg/kg body weight   |
| <b>chlorpyrifos (2921-88-2)</b>                 |  |
| LD50 oral rat                                   | 82 mg/kg (Rat)   |
| ATE CLP (oral)                                  | 82.000 mg/kg body weight   |
| <b>ethoprophos (13194-48-4)</b>                 |  |
| LD50 oral rat                                   | 34 mg/kg (Rat)   |
| LD50 dermal rat                                 | 60 mg/kg (Rat)   |
| LD50 dermal rabbit                              | 26 mg/kg (Rabbit)  |
| ATE CLP (oral)                                  | 34.000 mg/kg body weight   |
| ATE CLP (dermal)                                | 26.000 mg/kg body weight   |
| ATE CLP (gases)                                 | 100.000 ppmV/4h  |
| ATE CLP (vapors)                                | 0.500 mg/l/4h  |
| ATE CLP (dust, mist)                            | 0.050 mg/l/4h  |
| <b>Oxyfluorfen (42874-03-3)</b>                 |  |
| LD50 oral rat                                   | 5000 mg/kg   |
| LD50 dermal rabbit                              | 10000 mg/kg  |
| ATE CLP (oral)                                  | 5000.000 mg/kg body weight   |
| ATE CLP (dermal)                                | 10000.000 mg/kg body weight  |
| <b>profenofos (41198-08-7)</b>                  |  |
| LD50 oral rat                                   | 358 mg/kg (Rat)  |
| LD50 dermal rat                                 | 300 mg/kg (Rat)  |
| LD50 dermal rabbit                              | 192 mg/kg (Rabbit)   |
| LC50 inhalation rat (mg/l)                      | 3 mg/l/4h (Rat)  |
| <b>permethrin (52645-53-1)</b>                  |  |
| LD50 oral rat                                   | > 383 mg/kg (Rat)  |
| LD50 dermal rat                                 | 4000 mg/kg (Rat)   |
| LD50 dermal rabbit                              | > 2000 mg/kg (Rabbit)  |
| ATE CLP (oral)                                  | 500.000 mg/kg body weight  |
| ATE CLP (dermal)                                | 4000.000 mg/kg body weight   |
| ATE CLP (gases)                                 | 4500.000 ppmV/4h   |
| ATE CLP (vapors)                                | 11.000 mg/l/4h   |
| ATE CLP (dust, mist)                            | 1.500 mg/l/4h  |
| <b>tebuconazole (107534-96-3)</b>               |  |
| LD50 oral rat                                   | 1700 mg/kg (Rat; Literature study)   |
| LD50 dermal rat                                 | > 5000 mg/kg (Rat; Literature study)   |
| LC50 inhalation rat (mg/l)                      | > 0.8 mg/l/4h (Rat; Literature study)  |
| <b>s,s,s-Tributylphosphorothioate (78-48-8)</b> |  |
| LD50 oral rat                                   | 150 mg/kg  |
| LD50 dermal rabbit                              | 97 mg/kg   |
| ATE CLP (oral)                                  | 150.000 mg/kg body weight  |
| ATE CLP (dermal)                                | 97.000 mg/kg body weight   |
| <b>methanol (67-56-1)</b>                       |  |
| LD50 oral rat                                   | > 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence) |
| LD50 dermal rabbit                              | 15800 mg/kg (Rabbit; Literature study)   |
| LC50 inhalation rat (mg/l)                      | 85 mg/l/4h (Rat; Literature study)   |
| LC50 inhalation rat (ppm)                       | 64000 ppm/4h (Rat; Literature study)   |

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|   |  |
|---|--|
| <b>methanol (67-56-1)</b>                           |  |
| ATE CLP (oral)                                      | 100.000 mg/kg body weight  |
| ATE CLP (dermal)                                    | 300.000 mg/kg body weight  |
| ATE CLP (gases)                                     | 700.000 ppmV/4h  |
| ATE CLP (vapors)                                    | 3.000 mg/l/4h  |
| ATE CLP (dust, mist)                                | 0.500 mg/l/4h  |
| Skin corrosion/irritation                           | : Not classified<br>Based on available data, the classification criteria are not met                     |
| Serious eye damage/irritation                       | : Not classified<br>Based on available data, the classification criteria are not met                     |
| Respiratory or skin sensitization                   | : Not classified<br>Based on available data, the classification criteria are not met                     |
| Germ cell mutagenicity                              | : Not classified<br>Based on available data, the classification criteria are not met                     |
| Carcinogenicity                                     | : Not classified<br>Based on available data, the classification criteria are not met<br>May cause cancer |
| Reproductive toxicity                               | : Not classified<br>Based on available data, the classification criteria are not met                     |
| Specific target organ toxicity (single exposure)    | : Causes damage to organs.   |
| Specific target organ toxicity (repeated exposure)  | : Not classified<br>Based on available data, the classification criteria are not met                     |
| Aspiration hazard                                   | : Not classified<br>Based on available data, the classification criteria are not met                     |
| Potential Adverse human health effects and symptoms | : Toxic if swallowed. Toxic in contact with skin.  |

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

|  |  |
|--|--|
| <b>alpha-BHC (319-84-6)</b>                        |  |
| LC50 fish 1  | 0.01 - 4.4 mg/l (LC50; 96 h)   |
| EC50 Daphnia 2                                     | 0.1 mg/l (EC50; 227 h)   |
| <b>chlorpyrifos (2921-88-2)</b>                    |  |
| LC50 fish 2  | 0.003 mg/l (LC50; 96 h)  |
| LC50 other aquatic organisms 2                     | 0.0017 mg/l (Daphnia magna)  |
| Threshold limit algae 1                            | 0.228 mg/l (EC50; 96 h)  |
| <b>ethoprophos (13194-48-4)</b>                    |  |
| LC50 fish 1  | 13.8 mg/l (LC50; 96 h)   |
| LC50 other aquatic organisms 1                     | 0.0075 mg/l (96 h; Crustacea)  |
| Threshold limit algae 1                            | 0.0084 mg/l (EC50; 96 h; Skeletonema costatum)   |
| <b>Oxyfluorfen (42874-03-3)</b>                    |  |
| LC50 fish 1  | 0.15 mg/l Pimephales promelas (fathead minnow)- 96h  |
| EC50 Daphnia 1                                     | 0.5 mg/l Daphnia magna (Water flea)  |
| <b>permethrin (52645-53-1)</b>                     |  |
| LC50 fish 1  | 0.0025 mg/l (LC50; 96 h)   |
| EC50 Daphnia 1                                     | 0.00043 mg/l (EC50; 48 h)  |
| Threshold limit algae 1                            | .68 - .72,EC50   |
| <b>tebuconazole (107534-96-3)</b>                  |  |
| LC50 fish 1  | 4.4 mg/l (LC50; US EPA; 96 h; Salmo gairdneri; Flow-through system)  |
| EC50 Daphnia 1                                     | 4.2 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)                                  |
| Threshold limit algae 1                            | 4.01 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 96 h; Scenedesmus subspicatus)                               |
| <b>s,s,s-Tributylphosphorotrithioate (78-48-8)</b> |  |
| LC50 fish 1  | 0.31 mg/l Oncorhynchus mykiss (Rainbow trout)  |
| EC50 Daphnia 1                                     | 0.007 mg/l   |
| <b>methanol (67-56-1)</b>                          |  |
| LC50 fish 1  | 15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value) |

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|---------------------------|--|
| <b>methanol (67-56-1)</b> |  |
| EC50 Daphnia 1            | > 10000 mg/l (EC50; DIN 38412-11; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |
| LC50 fish 2               | 10800 mg/l (LC50; 96 h; Salmo gairdneri)   |

### 12.2. Persistence and degradability

|                                   |   |
|-----------------------------------|---|
| <b>525.3 Pesticides Standard</b>  |   |
| Persistence and degradability     | May cause long-term adverse effects in the environment.                           |
| <b>alpha-BHC (319-84-6)</b>       |   |
| Persistence and degradability     | Not readily biodegradable in water.   |
| <b>chlorpyrifos (2921-88-2)</b>   |   |
| Persistence and degradability     | Not readily biodegradable in water.   |
| <b>ethoprophos (13194-48-4)</b>   |   |
| Persistence and degradability     | Not readily biodegradable in water. Not readily biodegradable in the soil.        |
| <b>tebuconazole (107534-96-3)</b> |   |
| Persistence and degradability     | Not readily biodegradable in water.   |
| <b>methanol (67-56-1)</b>         |   |
| Persistence and degradability     | Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. |
| Biochemical oxygen demand (BOD)   | 0.6 - 1.12 g O <sub>2</sub> /g substance  |
| Chemical oxygen demand (COD)      | 1.42 g O <sub>2</sub> /g substance  |
| ThOD                              | 1.5 g O <sub>2</sub> /g substance   |
| BOD (% of ThOD)                   | 0.8 (Literature study)  |

### 12.3. Bioaccumulative potential

|  |   |
|--|---|
| <b>525.3 Pesticides Standard</b>                   |   |
| Bioaccumulative potential                          | Not established.                                  |
| <b>alpha-BHC (319-84-6)</b>                        |   |
| BCF fish 1   | 17000 (BCF; 24 h; Poecilia reticulata)            |
| BCF fish 2   | 540 (BCF; 24 h)                                   |
| BCF other aquatic organisms 1                      | 160 (BCF)   |
| BCF other aquatic organisms 2                      | > 8000 (BCF; 24 h; Artemia salina)                |
| Log Pow  | 3.81 - 3.89                                       |
| Bioaccumulative potential                          | High potential for bioaccumulation (BCF > 5000).  |
| <b>chlorpyrifos (2921-88-2)</b>                    |   |
| BCF fish 1   | 1700 (BCF)  |
| BCF fish 2   | 49 - 2880 (BCF)                                   |
| BCF other aquatic organisms 1                      | 1 - 10 mg/l (BCF; 120 h; Algae)                   |
| Log Pow  | 4.82 - 5.27                                       |
| Bioaccumulative potential                          | High potential for bioaccumulation (Log Kow > 5). |
| <b>ethoprophos (13194-48-4)</b>                    |   |
| BCF fish 1   | 4 - 17 (BCF; 672 h; Cyprinodon variegatus)        |
| Log Pow  | 3.59 (Experimental value)                         |
| Bioaccumulative potential                          | Low potential for bioaccumulation (BCF < 500).    |
| <b>permethrin (52645-53-1)</b>                     |   |
| BCF fish 1   | 560 (BCF)   |
| BCF fish 2   | 480 (BCF)   |
| BCF other aquatic organisms 1                      | 0.1 mg/l (BCF; >24 h)                             |
| BCF other aquatic organisms 2                      | 1900 (BCF)  |
| Log Pow  | 3.48 - 6.5  |
| Bioaccumulative potential                          | High potential for bioaccumulation (Log Kow > 5). |
| <b>tebuconazole (107534-96-3)</b>                  |   |
| Log Pow  | 3.7   |
| <b>s,s,s-Tributylphosphorotrithioate (78-48-8)</b> |   |
| BCF fish 1   | >= 1.2 mg/l Oncorhynchus mykiss (Rainbow trout)   |
| Bioconcentration factor (BCF REACH)                | 1084  |
| <b>methanol (67-56-1)</b>                          |   |
| BCF fish 1   | < 10 (BCF; 72 h; Leuciscus idus)                  |
| Log Pow  | -0.77 (Experimental value; Other)                 |
| Bioaccumulative potential                          | Low potential for bioaccumulation (BCF < 500).    |

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### 12.4. Mobility in soil

| chlorpyrifos (2921-88-2)   |  |
|----------------------------|--|
| Ecology - soil             | Toxic to bees. May be harmful to plant growth, blooming and fruit formation. |
| ethoprophos (13194-48-4)   |  |
| Ecology - soil             | Not toxic to plants. Not toxic to bees in normal conditions of use.          |
| profenofos (41198-08-7)    |  |
| Ecology - soil             | Toxic to bees.   |
| permethrin (52645-53-1)    |  |
| Ecology - soil             | Toxic to bees.   |
| tebuconazole (107534-96-3) |  |
| Ecology - soil             | Not toxic to bees.   |
| methanol (67-56-1)         |  |
| Surface tension            | 0.023 N/m (20 °C)  |
| Log Koc                    | Koc,PCKOCWIN v1.66; 1; Calculated value                                      |

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Handle empty containers with care because residual vapors are flammable.  
Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : 1992  
UN-No.(IATA) : 1992  
UN-No. (IMDG) : 1992  
UN-No.(ADN) : 1992

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, TOXIC, N.O.S.  
Proper Shipping Name (IATA) : Flammable liquid, toxic, n.o.s.  
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, TOXIC, N.O.S.  
Proper Shipping Name (ADN) : FLAMMABLE LIQUID, TOXIC, N.O.S.  
Transport document description (ADR) : UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), II, (D/E), ENVIRONMENTALLY HAZARDOUS

### 14.3. Packing group

Class (ADR) : 3  
Classification code (ADR) : FT1  
Class (IATA) : 3  
Class (IMDG) : 3  
Class (ADN) : 3  
Classification code (ADN) : FT1  
Subsidiary risks (ADR) : 6.1  
Subsidiary risks (IMDG) : 6.1  
Hazard labels (ADR) : 3, 6.1





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Hazard labels (IATA) : 3, 6.1



Hazard labels (IMDG) : 3, 6.1



Hazard labels (ADN) : 3, 6.1



### 14.4. Packing group

Packing group (ADR) : II  
Packing group (IATA) : II  
Packing group (IMDG) : II  
Packing group (ADN) : II

### 14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 336  
Classification code (ADR) : FT1  
Orange plates :



Special provision (ADR) : 274  
Transport category (ADR) : 2  
Tunnel restriction code (ADR) : D/E  
Limited quantities (ADR) : 1I  
Excepted quantities (ADR) : E2

#### 14.6.2. Transport by sea

Special provision (IMDG) : 274  
Limited quantities (IMDG) : 1 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P001  
IBC packing instructions (IMDG) : IBC02  
Tank instructions (IMDG) : T7  
Tank special provisions (IMDG) : TP2, TP13  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-D  
Stowage category (IMDG) : B  
Properties and observations (IMDG) : Flammable toxic liquid which is not specified by name in this class or, on account of its characteristics, in some other class. Toxic if swallowed, by skin contact or by inhalation.

#### 14.6.3. Air transport

CAO packing instructions (IATA) : 364  
CAO max net quantity (IATA) : 60L  
PCA packing instructions (IATA) : 352

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|  |        |
|--|--------|
| PCA Limited quantities (IATA)                | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L   |
| PCA max net quantity (IATA)                  | : 1L   |
| PCA Excepted quantities (IATA)               | : E2   |
| Special provision (IATA)                     | : A3   |
| ERG code (IATA)                              | : 3HP  |

### 14.6.4. Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Special provision (ADN)           | : 274, 802           |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E2                 |
| Carriage permitted (ADN)          | : T                  |
| Equipment required (ADN)          | : PP, EP, EX, TOX, A |
| Ventilation (ADN)                 | : VE01, VE02         |
| Number of blue cones/lights (ADN) | : 2                  |
| Carriage prohibited (ADN)         | : No                 |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions  
Contains no REACH candidate substance  
Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

|                   |  |
|-------------------|--|
| Data sources      | : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. |
| Other information | : None.  |

PHV SDS EU

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