



Cypermethrin 100 g/L EC

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 09/05/2011

Revision date: 11/02/2015

Supersedes: 02/06/2014

Version: 10.2

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

1.1. Product identifier

Product form : Mixture
Trade name : Cypermethrin 100 g/L EC
Product code : CA701348
Synonyms : Cypermethrin 100 g/L EC

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

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : Agriculture,
Pesticide
Use of the substance/mixture : Insecticide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

AGRIPHAR S.A.
Rue de Renory, 26/1
B-4102 Ougrée - Belgium
T +32 (0)4 385 97 11 - F +32 (0)4 385 97 49
info@agriphar.com - <http://www.agriphar.com>

1.4. Emergency telephone number

Emergency number : +32 (0)4 385 97 11 (8h - 16h35)
112 (European Emergency Number)

| Country | Organisation/Company | Address | Emergency number |
|----------|---|---|------------------------------------|
| AUSTRIA | Vergiftungsinformationszentrale (Poisons Information Centre) | Allgemeines Krankenhaus Waehringer Geurtel 18-20 1090 Wien | +43 1 406 43 43 |
| BELGIUM | Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid | Rue Bruyn B -1120 Brussels | +32 70 245 245 |
| BULGARIA | National Toxicological Information Centre National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov" | 21 Toteben Boulevard 1606 SOFIA | +359 2 9154 409 |
| CROATIA | Poisons Control Centre Institute of Medical Research & Occupational Health | Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb | +385 1 234 8342 |
| DENMARK | Poison Information Centre Bispebjerg Hospital | Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV | +45 82 12 12 12 +45 35 31 55 55 |
| ESTONIA | Estonian Poison Information Centre | Gonsiori 29 15027 Tallinn | 16662 |
| FRANCE | ORFILA | | + 33 (0)1 45 42 59 59 |
| FRANCE | INRS | 65 boulevard Richard-Lenoir 75011 Paris | 01 40 44 30 00 |
| FRANCE | Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal | 200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10 | +33 1 40 05 48 48 |
| GERMANY | Giftberatung Virchow-Klinikum, Medizinische Fakultät der Humboldt - Universität zu Berlin Abt. Innere Medizin mit Schwerpunkt Nephrologie und Intensivmedizin | Augustenberger Platz 1 13353 Berlin | |
| GERMANY | Berliner Betrieb für Zentrale Gesundheitliche Aufgaben Institut für Toxikologie, Klinische Toxikologie und Giftnotruf Berlin | Oranienburger Strasse 285 13437 Berlin | +49 30 19240 |
| GERMANY | Gemeinsames Giftinformationzentrum der Länder Mecklenburg-Vorpommern, Sachsen- Anhalt und Thüringen, | c/o HELIOS Klinikum Erfurt Nordhäuser Strasse 74 d-99089 Erfurt | +49 361 730 730 |
| GERMANY | Vergiftungs-Informations-Zentrale Zentrum für Kinderheilkunde und Jugendmedizin | Mathildenstrasse 1 D-79106 Freiburg | +49 761 19240 |
| GERMANY | Giftinformationszentrum-Nord Zentrum Pharmakologie und Toxikologie der Universität Göttingen | Robert-Koch Strasse 40 D-37075 Göttingen | : +49 551 19240 |
| GERMANY | Informations und Beratungszentrum für Vergiftungsfälle Klinik für Kinder und Jugendmedizin des Universitätsklinikums des Saarlandes, Universitätsklinikum des Saarlandes | Kirrberger Straße, Gebäude 9 D-66421 Homburg/Saar | +49 6841 19240 |

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| Country | Organisation/Company | Address | Emergency number |
|-----------------------|---|---|---|
| GERMANY | Beratungstelle bei Vergiftungen, Klinische Toxikologie und Beratungsstelle bei Vergiftungen der Länder Rheinland-Pfalz und Hessen, Universitätsklinikum | Langenbeckstrasse 1 55131 Mainz | +49 6131 19240 |
| GERMANY | Toxikologische Abteilung der II Medizinische Klinik und Poliklinik rechts der Isar der Technischen Universität | Ismaninger Strasse 22 81675 Munich | +49 89 19240 |
| GERMANY | Nuremberg Nürnberg Giftnotruf Nürnberg, Medizinische Klinik 2, Klinikum Nürnberg, Lehrstuhl Innere Medizin-Gerontologie, Universität-Nürnberg | Professor-Ernst-Nathan-Strasse 1 90419 Nuremberg | : +49 911 3892665 |
| GREECE | Poisons Information Centre Children's Hospital "Aglaia. Kyriakou" | 11527 Athens | +30 210 779 3777 |
| GREECE | Poisons Information Centre Children's Hospital "Aglaia. Kyriakou" | 11527 Athens | +30 210 779 3777 |
| IRELAND (REPUBLIC OF) | National Poisons Information Centre Beaumont Hospital | Beaumont Hospital Beaumont Road 9 Dublin | +353 1 809 2166 (public)/+353 1 837 9964 (medical professionals) +44 (0)870 190 6777 |
| ITALY | Centro Antiveneni (Poisons Centre) Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore | Largo Agostino Gemelli 8 I-00168 Roma | +39 06 305 4343 |
| MADAGASCAR | Service de Reanimation Medicale et de Toxicologie Clinique, Hôpital Ravoahangy | Antananarivo | +261 20 225510 |
| Magyarország | Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat | Nagyvárad tér 2. Postacím: 1437 Budapest, Pf. 839 1097 Budapest | +36 80 20 11 99 |
| NETHERLANDS | National Poisons Information Centre National Institute for Public Health and the Environment, NB this service is only available to health professionals | P.O. Box 1 3720 BA Bilthoven | +31 30 274 88 88 |
| ROMANIA | TOXAPEL Emergency Clinical Hospital for Children "Grigore Alexandrescu" | Boulevardul Iancu de Hunedoara 30-32 Bucharest | +40 2121 06282 +40 2121 06183 |
| ROMANIA | Department of Clinical Toxicology Spitalul de Urgenta Floreasca | Calea Floreasca Bucharest | +40 21 230 8000 |
| Serbia | National Poison Control Centre Military Medical Academy, Vojnomedicinska Akademija | Crnotravska 17 Belgrade | +381 11 3608 440 |
| SPAIN | Unitat de Toxicologia Clinica Servicio de Urgencias | Hospital Clinic I Provincial de Barcelona C/Villarroel, 170 E-08036 Barcelona | +34 93 227 98 33 +34 93 227 54 00 bleep 190 |
| SPAIN | Instituto de Toxicologia | C/Merced 1 8002 Barcelona | +34 93 317 44 00 |
| SPAIN | Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid | Calle Luis Cabrera 9 E-28002 Madrid | +34 91 562 04 20 |
| SPAIN | Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Sevilla | Carretera de San Jerónimo Km 0,4 E-41080 Sevilla | +34 95 437 12 33 |
| SWEDEN | Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital | Box 60 500 SE-171 76 Stockholm | +46 8 33 12 31 (International) 112 (National) |
| SWITZERLAND | Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre | Freiestrasse 16 Postfach CH-8028 Zürich | 145 +41 44 251 51 51 |
| Worldwide | WHO | http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/ | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|---------------------|------|
| Flam. Liq. 3 | H226 |
| Acute Tox. 4 (Oral) | H302 |
| STOT SE 3 | H335 |
| STOT SE 3 | H336 |
| Asp. Tox. 1 | H304 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 1 | H410 |

Full text of H-phrases: see section 16

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

R10
Xn; R22
Xi; R37
N; R50/53
Xn; R65

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R66

R67

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



CLP Signal word

: Danger

Hazard statements (CLP)

: H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P261 - Avoid breathing spray
P270 - Do not eat, drink or smoke when using this product
P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
P331 - Do NOT induce vomiting
P312 - Call a POISON CENTER or doctor/physician if you feel unwell
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/container to an authorised waste collection point

EUH phrases

: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use
EUH066 - Repeated exposure may cause skin dryness or cracking

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 Directive 67/548/EEC |
|----------------------------------|---|---------|--|
| Solvent | (CAS No) 64742-95-6 (EC no) 265-199-0 (EC index no) 649-356-00-4 (REACH-no) 01-2119455851-35 | >= 80 | R10 Xi; R37 Xn; R65 R66 R67 N; R51/53 |
| Cypermethrin cis/trans +/- 40/60 | (CAS No) 52315-07-8 (EC no) 257-842-9 (EC index no) 607-421-00-4 | 10 - 15 | Xn; R20/22 Xi; R37 N; R50/53 |
| anionic surfactants | | >= 3 | R10 Xi; R37/38 Xi; R41 R52/53 R67 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------|---|-------|--|
| Solvent | (CAS No) 64742-95-6 (EC no) 265-199-0 (EC index no) 649-356-00-4 (REACH-no) 01-2119455851-35 | >= 80 | Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------------------------|--|---------|---|
| Cypermethrin cis/trans +/- 40/60 | (CAS No) 52315-07-8 (EC no) 257-842-9 (EC index no) 607-421-00-4 | 10 - 15 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000) |
| anionic surfactants | | >= 3 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 3, H412 |

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. In all cases of doubt, or when symptoms persist, seek medical advice.
- First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately get medical attention.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry extinguishing powder. Carbon dioxide (CO₂). Water fog.
- Unsuitable extinguishing media : High power water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable.

5.3. Advice for firefighters

- Precautionary measures fire : No open flames. No smoking.
- Firefighting instructions : Evacuate and limit access. Use water spray jet to protect personnel and to cool endangered containers.
- Protection during firefighting : Wear full chemical protective clothing. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
- Other information : Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : When leaks or spills occur, only properly protected personnel should remain in the area.

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. In case of insufficient ventilation, wear suitable respiratory equipment.
- Emergency procedures : Evacuate area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Call in an expert. Eliminate every possible source of ignition.

6.1.2. For emergency responders

- Protective equipment : Wear a self-contained breathing apparatus and chemical protective clothing.

6.2. Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

- For containment : Prevent spreading in sewers. Impound and recover large spill by mixing it with inert granular solids.
- Methods for cleaning up : Collect spills and put it into appropriated container.
- Other information : Special danger of slipping by leaking/spilling product.

6.4. Reference to other sections

Exposure controls/personal protection. Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not allow to enter into surface water or drains.
- Handling temperature : at room temperature
- Hygiene measures : Do no eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground well. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Storage conditions : Protect against direct sunlight.
- Incompatible products : Strong acid. Strong bases. Oxidizing agents, strong.
- Maximum storage period : 2 year(s)
- Storage temperature : > -10 °C
- Storage area : Keep container tightly closed in a cool, well-ventilated place. Provide for retaining containers, eg. floor pan without outflow.
- Packaging materials : Keep only in the original container. Keep locked up.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Cypermethrin cis/trans +/- 40/60 (52315-07-8) | | |
|---|---------------------------------------|-----------------------|
| Bulgaria | OEL TWA (mg/m ³) | 5 mg/m ³ |
| Solvent (64742-95-6) | | |
| Belgium | Limit value (ppm) | 19 ppm |
| Belgium | Short time value (mg/m ³) | 100 mg/m ³ |
| France | VME (mg/m ³) | 150 mg/m ³ |

8.2. Exposure controls

- Personal protective equipment : Gloves. Gas mask. Safety glasses.
- Hand protection : Wear suitable gloves resistant to chemical penetration. NBR (Nitrile rubber). For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Eye protection : Face shield. Chemical goggles or safety glasses
- Skin and body protection : Skin protection appropriate to the conditions of use should be provided
- Respiratory protection : If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.



- Environmental exposure controls : Notify authorities if product enters sewers or public waters.
- Other information : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid

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| | |
|--|----------------------------|
| Colour | : yellow. |
| Odour | : Aromatic. |
| Odour threshold | : No data available |
| pH | : 5,3 (1%) |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 44,2 °C |
| Auto-ignition temperature | : 465 °C (+/- 5°C) |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 0,912 g/ml |
| Solubility | : (1% in water): Emulsion. |
| Log Pow | : No data available |
| Viscosity, kinematic | : 1,7 mm ² /s |
| Viscosity, dynamic | : No data available |
| Explosive properties | : not explosive. |
| Oxidising properties | : not oxidizing. |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

When exposed to heat, may decompose liberating hazardous gases.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions. Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Protect against direct sunlight. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

Strong acid. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes. Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

| Cypermethrin 100 g/L EC | |
|---|--------------------------|
| LD50 oral rat | 301 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5 mg/l/4h |
| Cypermethrin cis/trans +/- 40/60 (52315-07-8) | |
| LD50 oral rat | 500 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | 3,28 mg/l/4h |
| Solvent (64742-95-6) | |
| LD50 oral rat | 3492 mg/kg |
| LD50 dermal rat | > 3160 mg/kg |
| LC50 inhalation rat (mg/l) | > 6193 mg/m ³ |

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| | |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation | : Not classified pH: 5,3 (1%) |
| Serious eye damage/irritation | : Not classified pH: 5,3 (1%) |
| Respiratory or skin sensitisation | : Not classified. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

Cypermethrin cis/trans +/- 40/60 (52315-07-8)

| | |
|--|--|
| NOAEL (chronic, oral, animal/male, 2 years) | 5 mg/kg bodyweight |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : May cause respiratory irritation. May cause drowsiness or dizziness. |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |

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| | |
|----------------------|------------------------|
| Viscosity, kinematic | 1,7 mm ² /s |
|----------------------|------------------------|

SECTION 12: Ecological information

12.1. Toxicity

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| | |
|----------------|-------------|
| LC50 fishes 1 | 0,0248 mg/l |
| EC50 Daphnia 1 | 0,03 mg/l |
| ErC50 (algae) | 26,3 mg/l |

Cypermethrin cis/trans +/- 40/60 (52315-07-8)

| | |
|------------------------|---|
| LC50 fishes 1 | 0,0028 mg/l (96h; Salmo gairdneri) |
| EC50 Daphnia 1 | 0,0003 mg/l (48h; Daphnia magna) |
| ErC50 (algae) | > 0,1 mg/l (96h; Selenastrum capricornutum) |
| NOEC chronic fish | 0,00003 mg/l (34d Pimephales promelas) |
| NOEC chronic crustacea | 0,00004 mg/l Daphnia magna |

Solvent (64742-95-6)

| | |
|----------------|--|
| LC50 fishes 1 | 9,2 mg/l (96h Salmo gairdneri) |
| EC50 Daphnia 1 | 3,2 mg/l (48h Daphnia magna) |
| ErC50 (algae) | 2,9 mg/l (72h Pseudokirchneriella subcapitata) |
| NOEC (chronic) | 2,14 mg/l (21d Daphnia magna) |

12.2. Persistence and degradability

Cypermethrin cis/trans +/- 40/60 (52315-07-8)

| | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

Solvent (64742-95-6)

| | |
|-------------------------------|--|
| Persistence and degradability | Easily biodegradable (concerning to the criteria of the OECD). |
| Biodegradation | 78 % (28d OECD 301F) |

12.3. Bioaccumulative potential

Cypermethrin cis/trans +/- 40/60 (52315-07-8)

| | |
|------------|-----------------------------|
| BCF fish 1 | 1204 mg/l (Salmo gairdneri) |
| Log Pow | 5,3 - 5,6 (25°C) |

12.4. Mobility in soil

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| | |
|-----------------|------------------|
| Surface tension | 30,6 mN/m (25°C) |
|-----------------|------------------|

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

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Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point.
 Additional information : Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads). Notify authorities if product enters sewers or public waters.

SECTION 14: Transport information

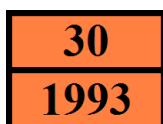
In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|--|--|--|---|--|
| 14.1. UN number | | | | |
| 1993 | 1993 | 1993 | 1993 | 1993 |
| 14.2. UN proper shipping name | | | | |
| FLAMMABLE LIQUID, N.O.S. | FLAMMABLE LIQUID, N.O.S. | Flammable liquid, n.o.s. | FLAMMABLE LIQUID, N.O.S. | FLAMMABLE LIQUID, N.O.S. |
| Transport document description | | | | |
| UN 1993 FLAMMABLE LIQUID, N.O.S. (solvent, surfactant), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1993 FLAMMABLE LIQUID, N.O.S. (solvent, surfactant), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | | | |
| 14.3. Transport hazard class(es) | | | | |
| 3 | 3 | 3 | 3 | 3 |
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : Yes | Dangerous for the environment : Yes Marine pollutant : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes |

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR) : F1
 Special provisions (ADR) : 274, 601, 640E
 Limited quantities (ADR) : 5I
 Excepted quantities (ADR) : E1
 Packing instructions (ADR) : P001, IBC03, LP01, R001
 Mixed packing provisions (ADR) : MP19
 Tank code (ADR) : LGBF
 Vehicle for tank carriage : FL
 Transport category (ADR) : 3
 Hazard identification number (Kemler No.) : 30
 Orange plates :



Tunnel restriction code : D/E
 EAC code : •3YE

14.6.2. Transport by sea

Special provisions (IMDG) : 223, 274, 955
 Limited quantities (IMDG) : 5 L
 Excepted quantities (IMDG) : E1

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| | |
|---------------------------------|--------------|
| Packing instructions (IMDG) | : P001, LP01 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP1, TP29 |
| EmS-No. (Fire) | : F-E |
| EmS-No. (Spillage) | : S-E |
| Stowage category (IMDG) | : A |

14.6.3. Air transport

| | |
|--|--------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L |
| PCA packing instructions (IATA) | : 355 |
| PCA max net quantity (IATA) | : 60L |
| CAO packing instructions (IATA) | : 366 |
| CAO max net quantity (IATA) | : 220L |
| Special provisions (IATA) | : A3 |
| ERG code (IATA) | : 3L |

14.6.4. Inland waterway transport

| | |
|-----------------------------------|----------------|
| Classification code (ADN) | : F1 |
| Special provisions (ADN) | : 274, 61, 64E |
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E1 |
| Carriage permitted (ADN) | : T |
| Equipment required (ADN) | : PP, EX, A |
| Ventilation (ADN) | : VE01 |
| Number of blue cones/lights (ADN) | : 0 |
| Not subject to ADN | : No |

14.6.5. Rail transport

| | |
|---|---------------------------|
| Classification code (RID) | : F1 |
| Special provisions (RID) | : 274, 601, 640E |
| Limited quantities (RID) | : 5L |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T4 |
| Portable tank and bulk container special provisions (RID) | : TP1, TP29 |
| Tank codes for RID tanks (RID) | : LGBF |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Colis express (express parcels) (RID) | : CE4 |
| Hazard identification number (RID) | : 30 |
| Carriage prohibited (RID) | : 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| | |
|--|-------------------------|
| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 | Cypermethrin 100 g/L EC |
|--|-------------------------|

Cypermethrin 100 g/L EC

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according to Regulation (EC) No. 453/2010

| | |
|--|-------------------------|
| 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. | Cypermethrin 100 g/L EC |
|--|-------------------------|

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Water hazard class (WGK) : 3 - severe hazard to waters

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

| | |
|-------------------------------------|---|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H226 | Flammable liquid and vapour |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| R10 | Flammable |
| R20/22 | Harmful by inhalation and if swallowed |
| R22 | Harmful if swallowed |
| R37 | Irritating to respiratory system |
| R37/38 | Irritating to respiratory system and skin |
| R41 | Risk of serious damage to eyes |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R65 | Harmful: may cause lung damage if swallowed |
| R66 | Repeated exposure may cause skin dryness or cracking |
| R67 | Vapours may cause drowsiness and dizziness |
| N | Dangerous for the environment |
| Xi | Irritant |
| Xn | Harmful |

Cypermethrin 100 g/L EC

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product