

Family: **INSECTICIDES**

Product name: **CIPERGEN®**

I/0708-P

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Ed.: 9th

Date of last revision: 22/01/2018

SDS according to Commission Regulation (EU) No. 830/2015 (Annex II) (REACH)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

CIPERGEN® (Nº R.O.P. Zoosanitary: 0708-P. ZOOSANITARY Use). Emulsionable concentrate (EC).

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

Zoosanitary use insecticide, to apply in livestock and poultry facilities, kennels, zoos and other animal enclosures. For professional use only.

1.3 Details of the supplier of the safety data sheet:

BIOPLAGEN, S.L.

Avenida Castilleja de la Cuesta, 26 (PIBO)
41110 BOLLULLOS DE LA MITACIÓN (Sevilla)
Tel. +34 955 77 65 77 – Fax. +34 955 77 65 66
bioplagen@bioplagen.com
www.bioplagen.com

1.4 Emergency telephone number:

Tel. +34 915 620 420 (Toxicological Information Medical Services 24 h)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

- Regulation (EC) Nº 1272/2008 of the European Parliament and the Council on 16th December 2008:*
Flammable Liquid. Category 3
Acute toxicity (dermal, by inhalation). Category 4
Dermal irritation. Category 2
Eye irritation. Category 2
Specific Target Organ Toxicity (single exposure). Category 3
Specific Target Organ Toxicity (repeated exposure). Category 2
Aspiration toxicity. Categoría 1
Aquatic acute. Category 1
Aquatic chronic. Category 1
GHS02 – Flammable
GHS07 – Exclamation mark
GHS08 – Health hazard
GHS09 – Hazardous to the environment
Warning word: DANGER

2.2 Label elements:

- Regulation (EC) Nº 1272/2008 of the European Parliament and the Council on 16th December 2008:*
In accordance with the legislation, the elements on the label are as follows:

Hazar statements:

H226: Flammable liquid and vapour.
H312+H332: Harmful in contact with skin and if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure.
H304: May be fatal if swallowed and enters airways.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P210+P370+P378: Keep away from heat/sparks/open flames/hot surfaces. No smoking. In case of fire: use suitable measures for extinction.
P260+P271: Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
P280+P264: Wear protective gloves/protective clothing/eye protection/face protection. Wash exposed areas thoroughly after handling.
P233+P235+P102+P405: Keep container tightly closed. Keep cold. Keep out of reach of children. Store locked up.
P273: Avoid release to the environment.
P391: Collect spillage.
P501: Dispose of contents/container to compliance with regulations on hazardous waste.

Supplementary Information:

CONTAINER MANAGEMENT: Empty packages must be managed according to their hazardous characteristics and in accordance with the current regulation through authorized waste managers.



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2.3 Other hazards:

Do not contaminate the water with the product or its packaging (Do not clean the product application equipment around surface water. Avoid the contamination through farms water systems or fields).

3. COMPOSITION/INFORMATION ON INGREDIENTS

• **Chemical Description:** Mixture of substances

• **Components:** In accordance with the Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

Identification		Chemical name/clasification				Concentration
CAS:	52315-07-8	Cypermethrin Cis/Trans +/- 40/60				10%
CE:	257-842-9	Regulation	Acute oral toxicity, 4: H302; Acute inhalation toxicity, 4: H332; STOT SE 3: H335; Hazardous to the aquatic environment, acute, 1: H400; Hazardous to the aquatic environment, chronic, 1: H410; WARNING			
Index:	607-421-00-4	1272/2008				
REACH:						
CAS:	1330-20-7	Xylene				80-<85%
CE:	215-5358-7	Regulation	Flammable liquids, 3: H226; Acute skin toxicity, 4: H312; Skin irritation, 2: H315; Acute inhalation toxicity, 4: H332; WARNING			
Index:	601-022-00-9	1272/2008				
REACH:						

To obtain more information on the risk of the substances consult section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

As a result of intoxication, symptoms may occur after exposure, so in case of direct exposure to the chemical or persistent discomfort seek medical attention showing the Material Safety Data Sheet of this product.

- **By inhalation:** Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases like cardiorespiratory arrest, artificial respiration techniques will be performed (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.
- **By skin contact:** Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the mixture causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.
- **By eye contact:** Rinse eyes thoroughly with luke warm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. In case the poisoned person wear contact lenses these must be removed as long as they are not stick to the eyes as it may cause an additional damage. In all cases, after cleaning, see a doctor as quickly as possible and show the MSDS of the product.
- **By consumption:** **DO NOT** provoke vomiting, if occurred, lay the person down by one side with the head lower than the rest of the body to prevent aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are included in sections 2 and 11.

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

RECOMMENDATIONS IN CASE OF INGESTION OR ACCIDENT

Intoxication may cause:

Eyes, mucous and respiratory tract irritation.

Chemical pneumonia by aspiration.

Cardiac, kidney and hepatic anomalies as well as CNS.

First aid measures:

Remove the person from the exposure area and take stained and contaminated clothing off.

In contact with eyes, wash with plenty of water for at least 15 minutes. Do not forget to remove contact lenses.

In contact with skin, wash with plenty of water and soap without rubbing.

In case of ingestion, **DO NOT** provoke vomiting, do not administer anything orally. Call a Toxicological Center or take the poisoned person to the hospital and wherever possible bring the label or the packaging with you.

Keep the patient at rest and keep body temperature.

Control breathing, If necessary, artificial respiration.

If the person is unconscious, lay him on one side with the head lower than the rest of the body and the knees bended.

DO NOT LEAVE THE POISONED PERSON ALONE IN ANY CASE,

Therapeutic advices:

In case of ingestion, digestive decontamination depending on consciousness.

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Contraindication: Ipecac syrup.
Hydroelectric and acid-base control.
Symptomatic and supportive treatment.

IF ANY MEDICAL ADVICE IS NEEDED, KEEP THE LABEL OR THE PACKAGING ON HAND AND CALL A POISON CENTER.
Telephone No.: 91 562 04 20

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂), in accordance with Regulation on Fire Protection Installations (R.D. 1942/1993 and subsequent amendments). IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

Secondary products might be generated as a result of combustion or thermal decomposition reactions (CO₂, HCl, NOx...) are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

As a firefighting precaution measure, it is recommended not to smoke and to keep away from sources of ignition. Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit...) in accordance with R.D.486/1997 and subsequent amendments.

- Additional provisions: Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertizing agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended: Absorb the spillage using sand or inert absorbent (sepiolite) and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

- General precautions: Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.
- Technical recommendations for the prevention of fires and explosions: Transfer in well ventilated areas, preferably through localized extraction fully control sources of ignition (mobile phones, sparks...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibers, preferably wearing cotton clothing and conductive footwear. Avoid projections and pulverizations. Comply with the essential security requirements for equipment and systems defined in Directive R.D.400/1996 (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive R.D. 681/2003 (ATEX 137). Consult section 10 for conditions and materials that should be avoided.
- Technical recommendations to prevent ergonomic and toxicological risks: For exposition controls see section 8. Do not eat, drink or smoke on work areas, wash hands after each utilization, and take off clothing and contaminated protection equipment before entering eating areas.
- Technical recommendations to prevent environmental risks: Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage. It is recommended to have absorbent material in the surroundings.

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7.2 Conditions for safe storage, including any incompatibilities:

Technical measures for storage:

ITC (R.D. 379/2001): MIE-APQ-1

Clasificación: B1

Minimum Temperature: 5°C

Maximum Temperature: 30°C

General conditions for storage: Avoid heat sources, static electricity and contact with food. For any additional information see section 10.5.

Additional information:

PACKAGE MANAGEMENT:

Empty packaging must be managed according to their hazardous characteristics and in accordance with the current regulation through authorized waste managers.

PRECAUTIONS:

Avoid working in the spray cloud.

Ventilate the treated area properly before re-entry. Safety period is 2 hours.

7.3 Specific end uses:

Except for the instructions already specified in section 1.2 it is not necessary to provide any special recommendation regarding the uses of this product.

Precautions: Avoid working in the spray cloud. Ventilate the treated area properly before re-entry.

IN ORDER TO AVOID ANY RISKS FOR PEOPLE AND ENVIRONMENT, PLEASE READ THE INSTRUCTIONS FOR USE.
TO BE ONLY USED BY QUALIFIED PERSONNEL.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose exposure limit values must be controlled in work atmosphere (INSHT 2015):

Identificación	Environmental limits values		
Xylene (mixture of isomers)	VLA-ED	50 ppm	221 mg/m ³
CAS: 1330-20-7	VLA-EC	100 ppm	442 mg/m ³
EC: 215-535-7	Year	2012	

DNEL (Workers):

Identification		Short exposition		Long exposition	
		Sistematic	Local	Sistematic	Local
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable
	Inhalation	289 mg/m ³	289 mg/m ³	77 mg/m ³	Non-applicable

DNEL (Population):

Identification		Short exposition		Long exposition	
		Sistematic	Local	Sistematic	Local
Xileno (mezcla de isómeros) CAS: 1330-20-7 EC: 215-535-7	Oral	Non-applicable	Non-applicable	1,6 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	108 mg/kg	Non-applicable
	Inhalation	174 mg/m ³	174 mg/m ³	14,8 mg/m ³	Non-applicable

PNEC:

Identification				
Xylene (mezcla de isómeros) CAS: 1330-20-7 EC: 215-535-7	STP	6,58 mg/L	Freshwater	0,327 mg/L
	Soil	2,31 mg/kg	Salt water	0,327 mg/L
	Intermittent	0,327 mg/L	Sediment (Freshwater)	12,46 mg/kg
	Oral	No relevante	Sediment (Salt water)	12,46 mg/kg

8.2 Exposure control:

- General security and hygiene measures in the work place: In accordance with the order of importance to control professional exposure (R.D. 374/2001 and subsequent amendments) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the professional exposure limits. In case of using individual protection equipment they should have the "CE marking" in accordance with R.D.1407/1992 and subsequent amendments. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer PPE. The indication given here in refers to the pure product. To determine the obligation of emergency shower and eyewash stations installation at the warehouse in accordance with Regulation referring to storage of chemical product applicable in each case. For additional information see epigraph 7.1. and 7.2.
- Respiratory protection:

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LRP Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases vapours and particles.		EN 405:2001+A1:2009	Replace when there is a taste or smell of the contaminant inside the face mask or adaptor. When the pollutant does not have an easy detection, insulation equipment is recommended.

• Specific protection for hands:

LRP Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Non-disposable gloves for chemical protection.		EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

• Ocular and facial protection:

LRP Pictogram	EPI	Labelling	CEN Standard	Remarks
 Protección obligatoria de la cara	Face shield		EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN 165:2005	Clean daily and disinfect periodically according to the manufacturer's instructions.

• Bodily protection:

LRP Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Antistatic and fireproof protection clothing.		EN 1149-1,2,3 EN13034:2005+A1:2009 ENISO139821:2004/A1:2010 EN ISO 6529:2001 EN ISO 6530:2005 EN 340:2003 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties		EN 13287:2007 EN ISO 20345:2011 EN 13832-1:2006 EN ISO 20344:2011	Replace boots at any sign of deterioration.

• Additional emergency measures:

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2002	 Eyewash stations	DIN 12 899 ISO 3864-1:2002

- Environmental Exposure controls: In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see epigraph 7.1.D
- Volatile organic compounds: With regard to the R.D.117/2003 and subsequent amendments (Directive 1999/13/EC), this product has the following characteristics:

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C.O.V. (Supply): 83% weight
Concentration C.O.V. at 20°C: 934 mg/m³ (934g/L)
Number of Carbons average: 8
Average molecular weight: 106.2g/mol

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

➤ Appearance (Physical state at a 20°C):	Liquid
➤ Color:	Slightly Golden yellow
➤ Smell:	Aromatic
➤ Odour Threshold:	Non-applicable
➤ pH (1%):	6-8
➤ Boiling and freezing point	Non-applicable
➤ Initial boiling point and boiling range:	133°C
➤ Flash point:	29°C
➤ Rate of evaporation (Butyl Acetate=1)	Non-applicable
➤ Flammability (Solid/Gas):	Non-applicable
➤ Upper/Lower limit Inflammability or explosivity:	No risk of accidental explosion
➤ Vapour pressure at 20°C:	1280 Pa
➤ Vapour pressure at 50°C:	6876 (7 KPa)
➤ Vapour density:	Non-applicable
➤ Relative density (Physical state at 20°C):	1,125g
➤ Solubility:	It forms emulsion in water
➤ Partition coefficient n-octanol/water:	Non-applicable
➤ Auto-ignition temperature:	465°C
➤ Decomposition temperature:	Non-applicable
➤ Dynamic viscosity at 20°C:	0.83cP
➤ Kinematic Viscosity at 20°C:	0.95cSt
➤ Explosive properties	Non explosive
➤ Oxidising properties	Non-applicable

9.2 Other Information:

➤ Surface tension at 20°:	Non-applicable
➤ Refraction index:	Non-applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected if technical instructions of storage of chemical products are complied. See point 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the conditions indicated (see section 10.1 Reactivity) no hazardous reactions that may produce excessive pressure or temperature are expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Non- applicable	Non- applicable	Risk of ignition	Avoid direct sunlight	Non- applicable

10.5 Incompatible materials:

Acids	Alkalies	Combustible materials	Combustible materials	Others
Strong	Strong	Avoid direct effect	Avoid direct effect	Oxidising agents

10.6 Hazardous decomposition products:

See epigraph 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

No experimental information is available on the mixture itself in relation to the toxicological properties. When performing the danger classification on corrosive or irritant effects the recommendations included in section 3.2.5 of Annex VI of R.D. 363/1995 (Directive 67/548/EC), in paragraphs b) and c) of section 3 article 6 of the R.D. 255/2003 (Directive 1999/45/EC) and in section 3.2.3.5. of Annex I of CLP Regulation.

- **Dangerous health implications:** In case of exposure that is repetitive, prolonged or at higher concentrations than recommended by the occupational exposure limits, it may result in adverse effects on health depending on means of exposure:

Ingestion (acute hazard): Based on available data, the classification criteria are not met; however, it contains substances classified as dangerous for consumption. For more information see section 3.

Inhalation (acute hazard): Exposure to high concentrations can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and in serious cases of illness, loss of consciousness.

Contact with the skin and the eyes: Skin inflammation

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction): Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

Sensitizing effects: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitizing effects above limits referred to the Annex I section 3.2 of the R.D. (EC) 453/2010. For more information see section 3.

Specific target organ toxicity (STOT)-single exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

Aspiration hazard: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

- **Other information:** Non-applicable.

- **Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	DL50 oral	2100 mg/kg	Rat
	DL50 dermal	1100 mg/kg	Rat
	CL50 inhalation	11 mg/L	Rat

- **Symptoms of poisoning:** Eyes, skin, mucous and respiratory tract irritation. Chemical pneumonia by aspiration. Cardiac, kidney, hepatic and CNS disorders.

12. ECOLOGICAL INFORMATION

The experimental information related to the ecotoxicological properties of the mixture itself is not available.

12.1 Toxicity

Identification	Acute toxicity		Specie	family
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	CL50	13,5 mg/L (96 h)	<i>Oncorhynchus mykiss</i>	Fish
	CE50	0,6 mg/L (96 h)	<i>Gammarus lacustris</i>	Crustacean
	CE50	10 mg/L (72 h)	<i>Skeletonema costatum</i>	Algae
Cypermethrin CAS: 52315-07-8 EC: 257-842-9	CL50	No relevante		
	CE50	0,001 mg/L (48 h)	<i>Daphnia magna</i>	Crustacean
	CE50	Non-applicable		

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	BCF	9
	Log POW	2,77
	Potential	Low
cypermethrin CAS: 52315-07-8 EC: 257-842-9	BCF	420
	Log POW	6,6
	Potential	High

12.4 Mobility in soil:

Identification	Absorption/Desorption		Volatilidad	
Xylene (mixture of isomers)	Koc	202	Henry	5,249E+2 Pa·m ³ /mol

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EC: 215-535-7	Superficial tension	Non- applicable	Moisture soils	Yes
Cypermethrin cis/trans +/- 40/60	Koc	5800	Henry	4,256E-2 Pa·m ³ /mol
CAS: 52315-07-8	Conclusion	Immobile	Dry soils	No
EC: 257-842-9	Superficial tension	Non- applicable	Moisture soils	No

12.5 Results of PBT and vPvB assessment:

Not applicable

12.6 Other adverse effects:

Not described

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste type (Directiva 2008/98/CE)
07 04 04*	Other organic solvents, washing liquids and organic mother liquors	Hazardous

- **Type of residues (Regulation EU no. 1357/2014):** HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration toxicity, HP14 Ecotoxic, HP6 Acute toxicity.
- **Waste management (disposal and evaluation):** Consult a waste handler authorized the recovery and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). In accordance to codes 15 01 (2000/532/CE) in case that the package has been in direct contact with the product will be manage the same way as the product itself, otherwise it will be managed as a non-hazardous waste. Avoid discharge into watercourses. See section 6.2.
- **Regulations related to waste management:** In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated. Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) no.1357/2014. National legislation: Law 22/2011.

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14. TRANSPORT INFORMATION

• TRANSPORT OF DANGEROUS GOODS BY LAND:

With regard to ADR 2015 and RID 2015:

	14.1 UN Number:	Un1993
	14.2 UN proper shipping name:	Flammable Liquid, N.O.S. (Xylene)
	14.3 Transport hazard class (es):	3
	Label:	3
	14.4 Packing group:	III
	14.5 Dangerous for the environment:	Yes
14.6 Special precaution for user:		
Special provision (ADR)		274, 601, 640E
Tunnel restriction code:		D/E
Physical-Chemical properties:		See section 9
Limited quantities (ADR)		5 L

• TRANSPORT OF DANGEROUS GOODS BY SEA:

With regards to IMDG 2011:

	14.1 UN Number:	Un1993
	14.2 UN proper shipping name:	Flammable Liquid, N.O.S. (Xylene)
	14.3 Transport hazard class (es):	3
	Label:	3
	14.4 Packing group:	III
	14.5 Dangerous for the environment:	Yes
14.6 Special precaution for user:		
Special provision (ADR)		223, 274, 944, 955
FEm codes:		F-E, S-E
Physical-Chemical properties:		See section 9

• TRANSPORT OF DANGEROUS GOODS BY AIR:

With regard to IATA/OACI 2012:

	14.1 UN Number:	Un1993
	14.2 UN proper shipping name:	Flammable Liquid, N.O.S. (Xylene)
	14.3 Transport hazard class (es):	3
	Label:	3
	14.4 Packing group:	III
	14.5 Dangerous for the environment:	Yes
14.6 Special precaution for user:		None to highlight
Physical-Chemical properties:		See section 9

15. REGULATORY INFORMATION

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

Candidate substances for authorization under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active substances for which a decision of non-inclusion onto Annex I or IA of Directive 98/8/EC: Cypermethrin Cis/Trans +/- 40/60 (excluded for the product type 9).

Regulation (EC) 689/2008, in relation to the import and export of hazardous chemical products: Non-applicable

• Limitations to commercialization and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Non-applicable.

• Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

• Other legislation:

Non-applicable.

15.2 Chemical safety assessment:

Supplier has not undertaken any chemical security assessment.

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16. OTHER INFORMATION

- Legislation related to safety data sheet:**

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) n° 1907/2006 (Regulation (EC) n° 830/2015).

- Modifications related to the previous security card which concerns the ways of managing risks:**

Update in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

- Text of R-phrases considered in section 3:**

Regulation n°1272/2008 (CLP):

H226:	Flammable liquid and vapour
H302:	Harmful if swallowed.
H312:	Harmful in contact with the skin
H315:	Cause skin irritation
H332:	Harmful if inhaled
H335:	May cause respiratory irritation
H400:	Very toxic to aquatic life
H410:	Very toxic to aquatic life with long lasting effects

- Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- Principal bibliographical sources:**

<http://esis.jrc.ec.europa.eu>; <http://echa.europa.eu>; <http://eur-lex.europa.eu>;

SDS UE (Annex II REACH)

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee, its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.