



United Phosphorus Limited

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SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name : TOPPEL 100 EC
MSDS code: 0707260848
Product code: 06/079/01

Company/undertaking identification:

Registered company name: SBM DEVELOPPEMENT SAS.
Address: 160, route de la Valentine - 13011 MARSEILLE CEDEX 11 - FRANCE.
Telephone: +33467355050. Fax:+33467355035. Telex:.

Emergency telephone: +33 (0)4 67 35 50 50 (24h/24 7d/7).

Emergency telephone (ORFILA) : +33 (0)1 45 42 59 59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

Use of the substance/preparation:

Insecticide

2 - IDENTIFICATION OF HAZARDS

This product is classed :

Irritating to eyes, respiratory system and skin
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other data:

The product is flammable.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2: see section 16.

Substances representing a hazard:

INDEX	CAS	Nom	Symb.	R:	%
607-421-00-4	52315-07-8	CYPERMETHRIN CIS/TRANS +/- 40/60	Xn N	37 50/53 20/22	0 <= x 10 <= x % < 12,5
603-004-00-6	71-36-3	1-Butanol	Xn	10 22 37/38 41 67	x % < 2,5
	26264-06-2	Calcium dodecyl benzene sulphonate	Xi	38 41	2,5 <= x % < 5
64742-95-6	265-199-0	Aromatic hydrocarbon	Xn N	10 37 51/53 65 66 67	75 <= x % < 80

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
Do not give the patient anything orally.

In the event of splashes or contact with eyes:

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
DO NOT use solvents or thinners.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital

In the event of swallowing:

Specific and immediate treatment:

Information for the doctor:

5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In the event of fire, use specifically adapted means of extinction : foams, carbon dioxide, powder, water spray or fine droplets.

Extinguishing media which must not be used for safety reasons:

Water jet.

Special protective equipment for fire-fighters:

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

To recover the liquid with an explosion-proof pump or a hand pump or with an adapted absorbing product.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth

The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Avoid inhaling vapors.

Avoid contact of product with the skin and eyes

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used
Never open the packages under pressure

Storage:

Keep the container tightly closed in a dry, well-ventilated place
Keep away from all sources of ignition - do not smoke.
Keep well away from all sources of ignition, heat and direct sunlight

Specific use(s):

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.
If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

Exposure limit values :

Aromatic hydrocarbon : VME: 100 mg/m³ (19 ppm).
This product is a complex mixture, composed of the following substances whose VLEP recommended are :
Triméthyl benzène : VME: 25 ppm (123 mg/m³) ;
Xylene : VME: 100 ppm (434 mg/m³) Short term exposure limit.: 150 ppm (651 mg/m³), for all xylene isomers.

Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.
Due to the solvents present, it is recommended that neoprene rubber or nitrile rubber gloves be worn

Eye and face protection:

Use eye protectors designed to protect against liquid splashes

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

Environmental exposure controls:

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: Liquid

Important health, safety and environmental information:

pH 1%	5,3
Flash point:	47+/-1 °C.
Density (20°C)	920 g/dm ³
Solubility in water	Insoluble - Emulsion

10 - STABILITY AND REACTIVITY

Conditions to avoid:

To hold distant from any source of ignition, heat and direct sunlight.

Materials to avoid:

Strong oxidants.

Hazardous decomposition products:

11 - TOXICOLOGICAL INFORMATION

In the event of exposure by inhalation:

Acute toxicity by inhalation LC 50 rat, 4h : > 5,02 mg/l.

The vapour concentrations higher than those recommended in the thresholds of exposure can be irritating for the eyes and the respiratory tracts, can cause migraines and giddinesses, can be anaesthetic and to have other effects on the central nervous system.

In the event of swallowing:

Acute oral LD 50 rat: > 300 mg/Kg - < 2000 mg/Kg.

In the event of splashes or contact with skin:

Acute dermal LD 50 rat: > 2000 mg/Kg.
Repeated exposure may cause skin dryness or cracking.

In the event of splashes or contact with eyes:

Other data:

12 - ECOLOGICAL INFORMATION

The product must not be allowed to run into drains or waterways.

Mobility: Adsorption : K_{oc} 26492 - 144652

Persistence and degradability: Relatively rapid degradation ; especially in water / sediment systems

Bioaccumulative potential: Subject to biodegradation processes

Ecotoxicity:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Outdoor mesocosm EAC : 0 – 00005 mg/Kg

Other adverse effects:

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.



Local arrangements:

Codes of wastes (Decision 2001/573/EC, Directive 75/442/EEC, Directive 91/689/EEC on hazardous waste) :

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005 - IMDG 2004 - ICAO/IATA 2005).

UN1993=FLAMMABLE LIQUID, N.O.S.

ADR/RID	Class	Code	Group	Label	Ident.	LQ	Dispo.	
	3	F1	III	3	30	LQ7	274-640E	
IMDG	Class	2°lab.	Group	LQ	FS	Dispo.		
Marine Pollutant	3	-	III	5 L	F-E,S-E	223 274 944 955		
								
IATA	Class	2°lab.	Group	Passager	Passager	Cargo	Cargo	note
	3	-	III	309	60 L	310	220 L	A3
	3	-	III	Y309	10 L	-	-	-

15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

Preparation classification:

Xi-Irritant.



N-Dangerous for the environment.



Particular hazards associated with the preparation and safety recommendations:

R 10 Flammable
R 36/37/38 Irritating to eyes, respiratory system and skin
R 50/53 Very Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S2 Keep out of the reach of children
S 13 Keep away from food, drink and animal feedingstuffs
S 20/21 When using do not eat, drink or smoke
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
S 60 This material and its container must be disposed of as hazardous waste.
S 57 Use appropriate containment to avoid environmental contamination.

Particular provisions:

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 2:

R 10	Flammable
R 22	Harmful if swallowed
R 20/22	Harmful by inhalation and if swallowed.
R 37	Irritating to respiratory system.
R 38	Irritating to skin
R 37/38	Irritating to respiratory system and skin
R 41	Risk of serious damage to eyes
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65	Harmful: can cause an attack of the lungs in the event of ingestion.
R 66	The repeated exposure can cause drying or gerçure of the skin
R 67	Vapours may cause drowsiness and dizziness.