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Product code :		SBM 06/012/01	Creation date : 27/03/2007
		Company : SBM DEVELOPPEMENT SAS	

## SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name : RALBI 10

Product code: SBM 06/012/01

Company/undertaking identification:

Registered company name: SBM DEVELOPPEMENT SAS.

Address: 160, route de la Valentine – Bât. E – B.P. 90120 - 13371 MARSEILLE CEDEX 11 - FRANCE.

Telephone: +33467355050. Fax: +33467355035.

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

Harmful if swallowed.

Irritating to skin.

Risk of serious damage to eyes.

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

Other data:

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

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

Substances representing a hazard:

N°EINECS	CAS	Nom	Symb.	R:	%
257-842-9	52315-07-8	CYPERMETHRINE CIS/TRANS +/- 40/60	Xn N	37 50/53 20/22	8 <= x % < 12
265-198-5	64742-94-5	SOLVANT NAPHTA AROMATIQUE LOURD PETROLIER	Xn N	51/53 – 65 – 66 - 67	70 <= 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:

Wash abundantly with fresh water and clean during 15 minutes by maintaining the eyelids isolated.

Address the patient in an ophthalmologist, in particular if it appears a redness, a pain or a visual embarrassment.


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:

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In the event of swallowing, if the quantity is not very important, (not more than one mouthful), to rinse the mouth with water and to consult a doctor

In the event of accidental ingestion to call a doctor to judge appropriateness of a monitoring and a secondary treatment in hospital medium, if need be. To show the label.

#### Information for the doctor:

Local symptoms : After skin contact: Paresthesia (local)., may cause skin and eye irritation., Inhalation may provoke the following symptoms:, irritation and cough.

Systemic symptoms : Excitement, Gastrointestinal discomfort, Tremor, Dizziness, Headache, listlessness, nausea and vomiting, epigastric pain, muscular fasciculation of limbs.

Risks : This product/preparation contains a pyrethroid. Must NOT be confused with organophosphorus compounds.  
Risk of entering the lungs on vomiting after ingestion.

Local treatment: Initial treatment should be symptomatic and supportive. After eye contact: instillation of local anaesthetics drops e.g. 1% Amethocaine Hydrochloride eye drops. Give Analgesics as necessary.

Systemic treatment: Endotracheal intubation should be done and gastric lavage performed, followed by administration of charcoal.

## 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:

Nitrogen and carbon oxides

## 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:

Clean preferably with a detergent, avoid the use of solvents

## 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

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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):

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### 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

#### 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:

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### 9 - PHYSICAL AND CHEMICAL PROPERTIES

#### General information:

Physical state: yellow limpid liquid

#### Important health, safety and environmental information:

pH (1%) 6,6  
Flash point (ISO 2719): 62 °C.  
Density (20°C): 927 g/dm<sup>3</sup>  
Solubility in water: Insoluble - Emulsion

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### 10 - STABILITY AND REACTIVITY

#### Conditions to avoid:

Extremes temperatures.

#### Materials to avoid:

#### Hazardous decomposition products:

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Nitrogen and carbon oxides

## 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:

Persistence and degradability:

Bioaccumulative potential:

Ecotoxicity:

- Cypermethrin
  - Fish 96 hr LC50 0.0028 mg/L
  - Fish 34 d NOEC 0.00003 mg/L
  - Fish bioaccumulation BCF 1204
  - Daphnia magna 48 hr EC50 0.0003 mg/L
  - Daphnia magna 21 d NOEC 0.00004 mg/L
  - Algae 96 hr EC50 >0.1 mg/L
- Préparation
  - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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:

France : The regulation relating to waste is codified in the CODE OF the ENVIRONMENT, according to the Ordinance n°2000-914 of September 18, 2000 relating to the Législative part of the code of the environment.

Various texts from article L. 541-1 to article L. 541-50 are in the Book V (Prevention of pollution, the risks and the harmful effects), Titre IV (Waste), Chapter I (Waste disposal and recovery of materials).



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

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#### 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).

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

ADR/RID	Classe	Code	Groupe	Etiquette	Ident.	QL	Dispo.
	9	M6	III	9	90	LQ7	274
IMDG	Classe		Groupe	QL	FS	Dispo	
	9		III	5 L	F-A,S-F	274 909 944	
Polluant Marin P							
IATA	Classe		Groupe	Etiquette			
	9		III	9			

#### 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:

Xn-Harmful.



N-Dangerous for the environment.



##### Particular hazards associated with the preparation and safety recommendations:


R 22	Harmful if swallowed.
R 38	Irritating to 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.
S 36/37	Wear suitable protective clothing, gloves 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:

Nomenclature of the classified installations. (France): N° 117x

##### Tables of the occupational diseases according to the Labor regulation (France):

Table N° 84 - Affections generated by liquid organic solvents of professional use: hydrocarbons liquid aliphatic, alicyclic, heterocyclic and aromatic, and their mixtures (white spirit, special gasolines) nitrated derivatives of aliphatic hydrocarbons acétonitrile alcohols, aldehydes, ketone, esters, ethers of which the tétrahydrofurane, glycols and their ethers diméthylformamide, diméthylsulfoxyde.

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## 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 20/22 Harmful by inhalation and if swallowed.
- R 37 Irritating to respiratory system.
- 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.

*Modifications V3 : Item 9.*