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	Product code :	SBM 11/092	Date : 01/12/2020
		Creation date :	09/01/2012
		Company :	SBM DEVELOPPEMENT SAS

## SAFETY DATA SHEET

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

#### 1.1. Product identifier

Name: PICADOR 1.6 MG  
Product code: SBM 11/092  
AT

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

Insecticide

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

Registered company name: SBM DEVELOPPEMENT SAS  
Address: 60, Chemin des Mouilles – 69130 ECULLY - FRANCE  
Telephone: +33 (0)4 67 35 50 50      Fax: +33 (0)4 67 35 50 35      E-mail : [contact.cmpa@sbm-dev.com](mailto:contact.cmpa@sbm-dev.com)

#### 1.4. Emergency telephone number

Poison control centre: +43 1 406 43 43

### 2 – HAZARDS IDENTIFICATION

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

Classification following regulation (EC) N° 1272/2008 [UE-GHS/CLP]

- Aquatic Acute 1 - H400: Very toxic to aquatic life.
- Aquatic Chronic 1 - H410: Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Labelling following regulation CE N° 1272/2008 [UE-GHS/CLP]

Hazard pictogram:



Signal word: WARNING

Hazard statements:

H410: Very toxic to aquatic life with long lasting effects.

Precautionary:

- P101: If medical advice is needed, have product container or label at hand.
- P102: Keep out of reach of children.
- P262: Do not get in eyes, on skin, or on clothing.
- P270: Do not eat, drink or smoke when using this product.
- P280: Wear protective gloves/protective clothing.
- P273: Avoid release to the environment.
- P391: Collect spillage.
- P501 : Dispose of contents/container as hazardous waste.

Special provisions:

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

#### 2.3. Other hazards


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### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

#### 3.1. Substances

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### 3.2. Mixtures

#### Substances representing a hazard:

Chemical name	N° CAS N° CE N° INDEX	REACH Registration n°	Classification according to Regulation (EC) No. 1272/2008		Content %w/w
CYPERMETHRIN CIS/TRANS +/-40/60	52315-07-8 257-842-9 607-421-00-4	Not relevant	Acute Tox. 4 Acute Tox. 4 STOT SE 3 Aquatic Acute 1 – M = 1000 Aquatic Chronic 1- M= 1000	H332 H302 H335 H400 H410	1 ≤ x % < 2

## 4 - FIRST AID MEASURES

### 4.1. Description of 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:

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.

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

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.

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

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 - FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### 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.

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

This product is very toxic to aquatic organisms. The fire extinguishing system (water) can be contaminated with the product so the resulting water should be stored in closed systems and should not be poured into drains or rivers (ditch).

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

The product may release toxic fumes in case of fire, containing sulphur oxides, phosphorus oxides, nitrogen oxides and carbon oxides. Do not breathe fumes.

### 5.3. Advice for firefighters

Special protective equipment for fire-fighters:

As with all fires involving chemicals, wear appropriate protective equipment (protective clothing, boots and gloves).

Due to the toxicity of the gases emitted by the thermal decomposition of the product, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

## 6 - ACCIDENTAL RELEASE MEASURES

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

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

### 6.2. Environmental precautions

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

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

Clean with a detergent, avoid the use of solvents.

Brush and recover the product.

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

### 6.4. Reference to other sections

7, 8 and 13

## 7 - HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Handle in well-ventilated areas.

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

Fire prevention:

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

Prevent the accumulation of electrostatic charges with connections to the land, including during transfer.

Wear antistatic shoes and clothes and make floors of conductive materials.

Do not use tools which may produce sparks.

Do not smoke.

Use in areas without any naked flames and other sources of ignition and possessing protected electrical equipment.

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 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 any source of ignition, heat and direct sunlight – do not smoke.

Keep out of the reach of children.

Keep away from food and drink, including animal feeding stuffs.

Store in the original packaging and carefully close the container after each use.

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### 7.3. Specific end use(s)

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## 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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

### 8.1. Control parameters

The product contains calcium carbonate for which the following occupational exposure limit values have been set-up (air limit values, respect regulatory provisions for dust (inhalable and respirable)):

#### Occupational Exposure Limits in mg/m<sup>3</sup> 8 hours TWA dust

Member State	Non specified (inert) dust INHALABLE	Non specified (inert) dust RESPIRABLE
Austria	15	6
Belgium	10	3
Bulgaria		4
Denmark	10	5
Finland	10	/
France	10	5
Germany	10	3
Greece	10	5
Ireland	10	4
Italy	10	3
Lithuania		10
Luxembourg	10	6
Netherlands	10	5
Norway	10	5
Portugal/	10	5
Romania		10
Slovakia	10	
Spain	10	3
Sweden		5
Switzerland		6
UK	10	4

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

#### 8.2.2. Individual protection measures

Respiratory protection:

Use dust protection mask conforming EN 140.

Hand protection:

Use nitrile protection gloves conforming EN 374-3.

Always wash hands before eating, drinking, smoking or going to the lavatory.

Eye and face protection:

Use eye protectors designed with side shields to protect against liquid splashes conforming EN 166.

Skin protection:


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

#### 8.2.3 Environmental exposure controls:

Work clothes to be stored separately.

Remove soiled clothing immediately and use again only after a thorough cleaning.

Wash hands before breaks and immediately after handling the product

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## 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

Physical State:	Solid (granules)
Color:	Pink
Odor:	No data available
Odor threshold:	No data available
Apparent density:	1,3 – 1,6 g/cm <sup>3</sup>
pH 1%:	7.5 – 9.5
Solidification temperature:	not available
Boiling point / range:	not available
Flash point:	not applicable
Evaporation rate:	not available
Flammability (solid, gas):	Not flammable
Upper Explosive Limit:	not available
Lower Explosive Limit:	not available
Vapour pressure:	not available
Solubility in water:	not available
N-octanol/water partition coefficient:	not available
Auto-ignition temperature:	> 400 ° C
Decomposition Temperature:	not available
Kinematic viscosity (40 ° C):	not applicable
Explosive properties:	Not explosive
Oxidizing properties:	not available

### 9.2. Other information

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## 10 - STABILITY AND REACTIVITY

Stable under normal operating conditions

### 10.1. Reactivity

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### 10.2. Chemical stability

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### 10.3. Possibility of hazardous reactions

/

### 10.4. Conditions to avoid

High temperatures

### 10.5. Incompatible materials

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### 10.6. Hazardous decomposition products


Under normal conditions of storage and use, hazardous decomposition products should not be produced. In case of fire, the product can release toxic gases by thermal decomposition (sulphur oxides, phosphorus oxides, nitrogen oxides, carbon oxides).

## 11 - TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### In the event of exposure by inhalation:

- **Cypermethrin:**  
Acute toxicity : inhalation DL 50 rat : 3,28 mg/l  
Irritating to respiratory system  
Harmful by inhalation
- **SBM 11/092:**  
Acute toxicity: inhalation DL 50 rat not required, non dusting granule.

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#### In the event of swallowing:

- **Cypermethrin :**  
Acute toxicity : oral DL 50 rat : 287 mg/Kg  
Harmful if swallowed
- **SBM 11/092:**  
Acute toxicity : data not available

#### In the event of splashes or contact with skin:

- **Cypermethrin:**  
acute toxicity : dermal DL 50 rat : > 2000 mg/Kg  
Skin irritation: non irritant  
Skin sensitization: not sensitizing (M&K)
- **SBM 11/092:**  
Data not available.

#### In the event of splashes or contact with eyes:

- **Cypermethrin:**  
Eye irritation: non irritant
- **SBM 11/092:**  
Data not available.

#### Carcinogenicity:

Studies conducted with cypermethrin showed no carcinogenic effects.

#### Mutagenicity:

- **Cypermethrin:**  
- Germ cell mutagenicity: the studies showed no mutagenic effects.

#### Reproductive Toxicity:

- **Cypermethrin:**  
Studies conducted on cypermethrin showed no effects on reproduction.

#### Developmental Toxicity:

- **Cypermethrin:**  
Reduced litter size and pup weight at doses toxic to the mother.

#### Specific target organ toxicity / single exposure:

Not available.

#### Specific target organ toxicity / Repeated Exposure:

Not available.

#### Other data:

- **Cypermethrin:**  
- Toxicokinetics, metabolism and distribution:

Orally cypermethrin is significantly absorbed (50% in 24 hours), and distributed throughout the body, mainly in the skin and fat, before being metabolized (50% hydrolysed in acid and non-active alcohol derivatives). It is almost completely eliminated (> 90%) in 72 hours by the urine and faeces.

## 12 - ECOLOGICAL INFORMATION

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

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


The following data correspond to the data of the active substance cypermethrin, the data for the mixture are not available.

### 12.1. Toxicity

- **Data on CYPERMETHRIN, CAS N°52315-07-8 :**  
Aquatic organisms :

Species	Results	Exposure duration/conditions/Remarks
Fish, <i>Onchorhynchus mykiss</i>	CL50 = 0,0028 mg/L	96h
Daphnies, <i>Daphnia magna</i>	CE50 = 0,0003 mg/L	48h
Algae, <i>Ps. subcapitata</i>	CE50 > 0,1 mg/L	96h

Substance highly toxic to fish and aquatic invertebrates.

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#### Other organisms :

Spieces	Results	Exposure duration/conditions/Remarks
Birds	DL50 acute > 10000 mg/kg p.c. CL50 dietary > 5620 ppm CSEO(NOEC) reproduction = 1000 ppm	Data not available
Earthworms	CL50 > 100 mg/kg soil Toxicity on reproduction: No effect on the field up to 100 g/ha.	14 days
Bees	DL 50 contact = 0,02 µg/bee DL50 oral = 0,035 µg/bee	24h 24h

Slightly toxic to birds and earthworms; highly toxic to bees.  
Rapidly penetrates the insect cuticle and acts by opening the sodium channel.

#### Inhibitory effects on the activity of micro-organisms:

No adverse effects on the mineralization of carbon and nitrogen from the soil at a dose of 150 g / ha.

#### 12.2 Persistence and degradability

- **Data on CYPERMETHRIN, CAS N°52315-07-8 :**

- Biodegradability:

Not readily biodegradable  
Degraded in the soil within 2 to 15 weeks (DT50) depending on the type of the soil.  
Degradation is also faster under aerobic conditions.

- Abiotic degradation:

Stable in acidic medium (half-life ≥ 1000 days at pH 3), hydrolysis in alkaline medium (half-life ≤ 0.5h at pH11). Pure substance is stable to light, but degraded by photolysis in water (DT50 <15 days) and in the air (DT50 = 3.5h).

- Wastewater treatment:

Respiration inhibition of activated sludge: CL50 = 163 mg/L

#### 12.3. Bioaccumulative potential

- **Data on CYPERMETHRIN, CAS N°52315-07-8 :**

log Kow = 5.3-5.6.  
FBC = 1204 High potential to accumulate in fat.

#### 12.4. Mobility in soil

- **Data on CYPERMETHRIN, CAS N°52315-07-8 :**

Known or predicted distribution between environmental compartments:

Strongly adsorbed on soil, sediment and suspended particles.

Surface tension: (no data)

Adsorption / Desorption: Koc = 5800 - 160000. Not mobile in all types of soil, the substance remains fixed in the top15 cm (field studies).

Volatility: PV =  $2.3 \times 10^{-7}$  Pa à 20°C; substance is not considered VOC.  
H = 0.024 Pa.m<sup>3</sup>/mol; low potential for volatilization.

#### 12.5. Results of PBT and vPvB assessment

**Data on CYPERMETHRIN, CAS N°52315-07-8 :**

This product is not a PBT or vPvB, or does not contain.


#### 12.6. Other adverse effects

Data not available.

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### 13 - DISPOSAL CONSIDERATIONS

Do not pour into the drains or waterways.

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### 13.1. Waste treatment methods

#### Product

To dispose of unusable products, contact a company approved to collect and dispose of hazardous products. The product must be incinerated in an installation approved by the appropriate authorities. Avoid the product running into drains or water courses.

#### Packaging

The packaging must not be re-used: after using the product, ensure it is empty. Keep the label(s) on the container.

Dispose of empty packaging through collections organised by a specific collection service. To dispose of unusable products, contact a company approved to collect and dispose of hazardous products.

#### Local provisions

##### 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 Legislative 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).

Waste code according to Decree 2002-540 of 18 April 2002 transposed into the Environmental Code:

- Waste Product code: 070400
- Packaging waste code: 150100

## 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.

### 14.1. UN Number

UN 3077

### 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYPERMETHRIN, 1.6%)

### 14.3. Transport hazard class(es)

Transport Regulation	ADR/RID/ADNR	IMDG/OMI	IATA/ICAO
N° ONU	3077	3077	3077
Shipping name of UN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S. (CYPERMETHRIN 1.6%)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S. (CYPERMETHRIN 1.6%)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S. (CYPERMETHRIN 1.6%)
Labels	9	9	9
Hazard CLASS	9	9	9
Hazard code	90		
Marin pollutant		Y (Y/N)	
FS		F-A, S-F	

### 14.4. Packing group

III

### 14.5. Environmental hazards

Very toxic to aquatic life with long lasting effects according to regulation CE N° 1272/2008 [UE-GHS/CLP].

### 14.6. Special precautions for user

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### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code


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## 15 – REGULATORY INFORMATION

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

The classification of this preparation has been set up in accordance with Regulation EC N° 1272/2008 (CLP) and its adaptations.



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#### Particular dispositions:

Nomenclature of classified installations (France), Decree 2014-285 of March 3, 2014 amending the nomenclature of classified installations for environmental protection: ICPE (UIC ref Circular 603 of February 3, 2014.):

- 4510: Hazardous to the aquatic environment, acute category 1 or chronic 1.

#### 15.2. Chemical safety assessment

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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 the classes, the categories and the hazard statements appearing in the section 3:

Acute Tox. 4: Acute toxicity (category 4)  
 STOT SE 3: Specific Target Organ Toxicant— single exposure (category 3)  
 Aquatic Acute 1: Aquatic acute (category 1)  
 Aquatic Chronic 1: Aquatic chronic (category 1)

H302: Harmful if swallowed.  
 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.

#### Training advice:

Workers shall be provided with training on risks related to chemical agents.

#### Recommended restrictions of use:

This product must not be used for any other uses than those described in section 1.

#### Main regulatory references:

Regulation (UE) N°2015/830  
 Regulation (CE) N°1272/2008

#### Bibliographic references:

Regulation (CE) N°1272/2008 - Annexe VI.  
 Review Report for the active substance cypermethrin (European Commission), SANCO/4333/2000 final, 15/02/2005  
 Poison Information Monograph 163 (1996)  
 Data Sheet on Pesticides No.58  
 Health and Safety Guide No.22 (1989)  
 Environmental Health Criteria 82 (1989)

#### Modifications of Version 2:

- §1: address of the supplier of the safety data sheet
- §2: addition of some precautionary statements
- §9: addition of the pH value
- formatting of all sections to comply with Regulation (UE) 2015/830