

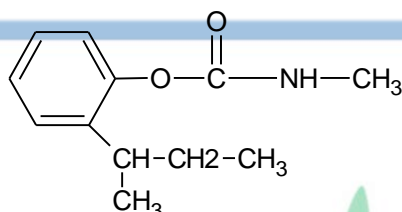


## Material safety data sheet BPMC 50% EC

### SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Details

Product Name :  
Trade Name :  
Chemical Name : 2-Sec-Butylphenyl-N-methylcarbamate (BPMC)  
Chemical Formula :  $C_{12}H_{17}NO_2$   
Molar Mass : 207.3  
Chemical Family : Carbamate  
Use : Insecticide  
Structural Formula :



*Butylphenyl-N-methylcarbamate (BPMC)*

#### 1.2 Company Identification

##### Manufacturer

Name and Address : Shreeji Pesticides Pvt. Ltd.  
(Sub. Of Willowood chemicals Pv. Ltd.)  
69/P, Village – Manjusar – 391775  
Tal. Savli, Dist. Vadodara  
State Gujarat, INDIA  
Tel. No. : +912667 264701

### SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit	Toxicity Data
2-Sec-Butylphenyl-N-methylcarbamate	3766-81-2	50 %	Refer to Section 9	Refer to Section 11
Surfactant		< 15 %		
Solvent		< 50 %		

### SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Slight yellowish liquid  
Odour : Characteristic odour  
Solubility : Miscible in water  
Boiling Point (Technical) : 115 - 116°C / 0.02 mmHg  
Melting Point (Technical) : 28 - 32°C  
Vapour Pressure (Technical) :  $7.4 \times 10^{-5}$  mmHg at 20°C  
Percentage Volatiles : No data available  
Evaporation Rate : No data available  
Vapour Density : No data available  
Specific Gravity : 0.96



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Flash Point : 30°C  
Autoignition temperature : No data available  
Flammable Limit : No data available

### SECTION 4 : HAZARD IDENTIFICATION

Harmful in contact with skin  
Toxic by inhalation and if swallowed  
May cause sensitisation by skin contact

### SECTION 5 : FIRST AID MEASURES

Ingestion : Induce vomiting after drinking warm salt water. Get prompt medical attention.  
Eye contact : Immediately flush with plenty of water. Get medical attention.  
Skin contact : Remove contaminated clothing and wash skin thoroughly with soap and water.  
Inhalation : Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.  
Notes to physician :  
Poisoning symptoms : Headache, dizziness, nausea, vomiting, excessive salivation, papillary constriction, stomach-ache, muscle twitching, impediment in speech and walking, clouding of consciousness and convulsion.  
Medical treatment : An intravenous injection with 1.2 - 2 mg Atropine sulphate is repeated at intervals of 10 - 30 minutes until the throat and skin of patient are dried out. (Caution : An injection of PAM delays recovering.)

### SECTION 6 : FIRE FIGHTING MEASURES

Extinguishing Media : CO<sub>2</sub>, foam, dry powder.  
Fire fighting instruction : Fire fighters should wear full-faced self contained breathing apparatus and protective clothing.  
Special hazards : No data available

### SECTION 7 : ACCIDENTAL RELEASE MEASURE

Leak and/or Spill : Wear protective clothing. Eliminate ignition source. Ventilate area. Absorb spills with inert material such as clay, sand, earth, sawdust etc. and collect in a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of. Do not contaminate water resources.

### SECTION 8 : HANDLING AND STORAGE

Handling : Read the label before use. Wear pesticide respiratory masks, protective gloves and clothing while handling.



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Storage : Keep in original container, tightly closed, in a cool dry and well-ventilated place, out of reach of children. Keep away from foodstuffs and animal feeds.

### SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

- a. Exposure Limit (Technical) : TLV 5 mg/m<sup>3</sup>  
b. Engineering measures : Local exhaust ventilation  
c. Personal protection : Wear pesticide respiratory masks, protective gloves and clothing.

### SECTION 10 : STABILITY AND REACTIVITY

Conditions to avoid : Direct sunlight, heat and extreme temperature  
Incompatible : Decomposed in alkali and strong acid.  
Decomposition Products : No data available  
Hazardous polymerization : No data available  
Stability : Stable under normal conditions.

### SECTION 11 : TOXICOLOGICAL INFORMATION (TECHNICAL)

#### Toxicity Data :

Acute Oral LD<sub>50</sub> : (Rat) male 623 mg/kg  
(Rat) female 657 mg/kg  
(Mouse) male 182 mg/kg  
(Mouse) female 173 mg/kg  
Acute Dermal LD<sub>50</sub> : (Mouse) > 4200 mg/kg  
Acute Inhalation LC<sub>50</sub> : (Rat) 0.366 mg/l air  
Carcinogenicity : No data available  
Reproductive Effect : No data available  
Effects of overexposure : No data available  
Chronic effects : No data available  
Target organs : No data available  
Medical Conditions : No data available  
Generally Aggravated  
by Exposure :

### SECTION 12 : ECOLOGICAL INFORMATION (TECHNICAL)

Mobility & Bioaccumulation : No data available  
Biodegradability : No data available  
Fish toxicity TLm (48 hr) : (Carp) 12.6 ppm

Fish studies indicated residues remain in 0 - 4 in. Layer with half-life of 1 - 2 months. After 183 days, residues were at negligible or undetectable levels. Confined and field rotational crop data showed residues likely to occur in root crops at intervals of < 9 months.

### SECTION 13 : DISPOSAL INFORMATION

Dispose of according to local regulation.



SHREEJI PESTICIDES PVT. LTD  
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

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### SECTION 14 : TRANSPORT INFORMATION

Follow the precaution indicated in the storage and handling section. Follow all regulations in your country.

### SECTION 15 : REGULATORY INFORMATION

Pesticides Act : Class II - Poisonous

CPL Regulation : Class - Toxic, Flammable

Risk Phrases : R10 Flammable

R21 Harmful in contact with skin

R23/25 Toxic by inhalation and if swallowed

R43 May cause sensitisation by skin contact

Safety Phrases : S1/2 Keep locked up and out of reach of children

S13 Keep away from food, drink and animal feeding stuff

S38 In case of insufficient ventilation, wear suitable respiratory equipment

S24 Avoid contact with skin

S36/37/39 Wear suitable protective clothing, gloves and eyes/face protection

