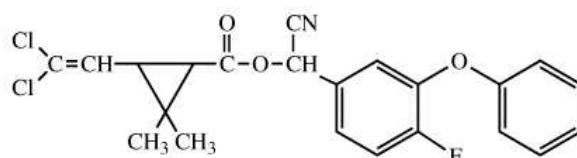


MATERIAL SAFETY DATA SHEET

Jolicoeur 10% EC Beta-Cyfluthrin 10% EC

SECTION 1.IDENTIFICATION

Trade Name: Jolicoeur
 Product Name: Beta-Cyfluthrin 10% EC
 Chemical Name :
 cyano(4-fluoro-3-phenoxyphenyl)methyl
 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate
 CAS No.: 68359-37-5
 Mol. Formula: $C_{22}H_{18}Cl_2FNO_3$
 Structure:



SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc.
Active ingredient	
Beta-Cyfluthrin	10%
Inert ingredient	
Emulsifier	12%
solvent	Up to 100%
total	100%

SECTION 3.HAZARDS IDENTIFICATION

Symptoms of overexposure:

low acute toxicity insecticide. It is not sufficiently toxic to produce clearly recognizable clinical or laboratory signs of toxicity in man or other animals

SECTION 4.FIRST AID MEASURES

In case of inhalation : No dangerous
In case of skin contact : Wash with water.
In case of eye contact : Wash with water.
In case ingestion : Drink water

SECTION 5.FIRE FIGHTING MEASURES

Flammability Non-flammable

SECTION 6.ACIDENTAL RELEASE MEASURES

In the event of a major spill, prevent spillage from entering drains or water courses.

SECTION 7.HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the chemicals. Do not get in eyes, on skin or on clothing. Always wash thoroughly after handling.

SECTION 8.EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product.

SECTION 9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Explosivity:	Non-explosive
Volatility:	Non-volatile
Corrosiveness:	Non-corrosive
Flash point:	65°C

SECTION 10.STABILITY AND REACTIVITY

Stability	Stable under normal use and storage conditions
Hazardous polymerization	Will not occur
Conditions to avoid	None known

SECTION 11.TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 for rats >2500 mg/kg
Skin irritation	> 4000mg/kg
Eye irritation	Slight irritating to eye
Sensitization	Not a skin sensitizer (Guinea pig)
Reproductive/ developmental effects:	None observed
Chronic/Subchronic toxicity:	None observed
Carcinogenicity:	None observed.
Other toxicity information:	None.

SECTION 12.ECOLOGICAL INFORMATION

Not toxic to fish and aquatic invertebrates. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. It is no hazards to honeybees and low toxic to birds.

SECTION 13.DISPOSAL CONSIDERATIONS

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state health and environmental regulations.

SECTION 14.TRANSPORT INFORMATION

This product is not classified as a Dangerous Good.

SECTION 15.REGULATORY INFORMATION

Product name	Jolicoeur 10% EC
Symbol(s):	Caution

SECTION 16.FURTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements.

Use according to label instructions.