



MSDS Number: 00000000286

DECIS 5.0 EC

MSDS Version 1.4

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name DECIS 5.0 EC
Chemical Name
Synonym
MSDS Number 286
Chemical Family
Chemical Formulation
EPA Registration No.
Canadian Registrat. No. 17734/22478

Bayer CropScience Inc
 #100 - 3131 - 114th Avenue SE
 Calgary, AB T2Z 3X2
 Canada

Emergency Number (24 Hours/Day): 1-800-334-7577 Product Information: 1-888-283-6847

Product Use Description Insecticide for control of insects.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Xylene	1330-20-7	>= 85.0000	<= 90.0000
Deltamethrin	52918-63-5	>= 5.6700	
INERTS		>= 5.0000	<= 10.0000

SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Emergency Overview Decis is toxic to fish and a Flammable Liquid. Do not contaminate water. May cause irritation to eyes, nose, throat and skin. Avoid exposure to product during pregnancy as solvent may cause teratogenic effects.

Odor Aromatic

Appearance Colorless to Pale Yellow Liquid

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Routes of Exposure Inhalation, ingestion, or absorption through the skin.

Immediate Effects

SECTION 4. FIRST AID MEASURES

Eye	Immediately wash eye with water for at least 15 minutes. If irritation develops, get medical attention.
Skin	Remove soiled clothes and wash skin with soap and water. Wash soiled clothes separately from other articles before wearing them again.
Ingestion	If swallowed, DO NOT INDUCE VOMITING as this may cause severe lung irritation. Rush victim for medical help, showing this MSDS and the original container well closed (if possible).
Inhalation	Remove victim to fresh air. If not breathing, give artificial respiration, call for medical help immediately. Take this MSDS and original container well closed with you (if possible).
Note to Physician	<p>In the event of ingestion of large amounts, the following measures should be considered:</p> <ul style="list-style-type: none">- Monitor function: respiratory, cardiac.- Gastric lavage, charcoal administration and endotracheal intubation. <p>There is no specific antidote. For anticonvulsant therapy, Diazepam i.v. is recommended.</p> <p>Note: Adrenergic compounds and atropine are contraindicated. Also, due to the presence of xylene, do not give vasopressor drugs (e.g. epinephrine, ephedrine etc.) as there may be danger of cardiac arrhythmia.</p>

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	31 °C / 88 °F
Suitable Extinguishing Media	Water, water mist, foam or dry chemical.
Fire Fighting Instructions	Use water spray to cool off fire exposed surfaces and to protect personnel. Firefighters should wear self-contained breathing apparatus. Prevent fire run-off from entering streams or lakes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Land Spill or Leaks	<p>Wear appropriate protective equipment for spill clean-up.</p> <p>SMALL SPILL: Absorb with sand or other non-combustible material like clay or kitty litter.</p> <p>LARGE SPILL: Dike up and contain spill in recovery containers. Absorb the rest</p>
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with sand, clay or earth. Decontaminate the area and used equipment with laundry bleach (Javex) or hydrated lime.

SECTION 7. HANDLING AND STORAGE

- Handling Procedures** Wear suitable protective clothing, rubber gloves, pesticide approved respirator and eye protection when handling this product.
- Storing Procedures** Keep containers well closed if not in use. Do not handle or store near flame, heat or strong oxidants. Store away from food, drink and feedstuff. Avoid freezing temperatures. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General Protection When spraying wear clean, well fitted goggles, pesticide approved respirator, protective clothing and gloves. Do not eat, smoke or drink while handling this product. Wash your hands before eating, drinking, smoking or before touching anyone or anything.

See Handling and Work Practices, section 7.

Exposure Limits

XYLENE (1330-20-7):
ACGIH TLV
651 MG/M3 (STEL)
150 PPM (STEL)
434 MG/M3 (TWA)
100 PPM (TWA)
DELTAMETHRIN (52918-63-5):
Bayer WEL
100 Micrograms/M3 (STEL)
45 Micrograms/M3 (TWA)

Xylene	1330-20-7	OEL (QUE) TWA	100 ppm	434 mg/m3
		OEL (QUE) STEL	150 ppm	651 mg/m3
		CAD AB OEL TWA	100 ppm	434 mg/m3
		CAD AB OEL STEL	150 ppm	652 mg/m3
		CAD BC TWA		100 ppm
		OEL		
		CAD BC STEL		150 ppm
		OEL		
		CAD ON TWA	100 ppm	435 mg/m3
		OEL		
		CAD ON STEL	150 ppm	650 mg/m3
		OEL		

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to Pale Yellow Liquid
Odor	Aromatic
Vapor Pressure	40.0 MMHG @ 38 degrees C
Solubility (in water)	Miscible Emulsifiable Concentrate.

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable.
Incompatibility	Avoid contact with strong oxidizing agents, acids and bases.
Hazardous Products of Decomposition	Thermal decomposition may produce toxic smoke, CO and CO2.
Hazardous Polymerization (Conditions to avoid)	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity LD50: 395 mg/kg (rat)

Assessment Carcinogenicity

Decis is not considered a carcinogen and is not listed by OSHA, IARC or NTP.

ACGIH

None

NTP

None

IARC

Xylene	1330-20-7	3
Deltamethrin	52918-63-5	3

OSHA

None

Teratogenicity

High exposures to xylene in some animal studies, often at levels toxic to the mother, affected embryo / fetal development. The significance of this finding to humans is not known but excessive exposure to xylene may be hazardous to the developing fetus. Deltamethrin is not teratogenic.

SECTION 12. ECOLOGICAL INFORMATION

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Ecological Information

Decis is extremely toxic to fish in ppb levels. Do not exceed prescribed application rates. Do not apply Decis on fields having access to streams, canals, ditches or lakes containing fish. Residues are rapidly metabolized and eliminated within 48 hours. The metabolites resulting from the degradation are markedly less toxic than the product itself. No accumulations have been found in fish fatty tissues.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance

Dispose in accordance with local regulations (Government approved incinerator). Mixing with strong alkali like lime or caustic soda speeds up degradation. Empty containers should be TRIPLE RINSED and destroyed in a manner approved by the Provincial Ministry or Environment. DO NOT RE-USE EMPTY CONTAINERS.

RCRA Classification

SECTION 14. TRANSPORT INFORMATION

TDG/DOT Classification:

PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S.(Deltamethrin, Xylene), CLASS 6.1(3)
UN 2903, P.G. III.

SECTION 15. REGULATORY INFORMATION

Decis is a registered Canadian Pest Control product.

PCP# 17734 (Prairie Provinces)

PCP# 22478 (Eastern Canada)

US Federal

EPA Registration No.

TSCA list

Xylene

1330-20-7

TSCA 12b export notification

None

SARA Title III - section 302 - notification and information

None

SARA Title III - section 313 - toxic chemical release reporting

None

US States Regulatory

CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

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US State right-to-know ingredients

None

Canadian Regulations

Canadian Registrat. No. 17734/22478

Canadian Domestic Substance List
Xylene 1330-20-7

Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

International Regulations

EU Classification

Xylene 1330-20-7 Harmful
R Phrases Flammable. Harmful by inhalation and in contact with skin.
Irritating to skin.

S Phrases Keep out of the reach of children. Avoid contact with the eyes.

Deltamethrin 52918-63-5 Toxic Dangerous for the environment
R Phrases Also toxic by inhalation and if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases Keep locked-up and out of the reach of children. Avoid contact with the skin. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.

European Inventory of Existing Commercial Substances (EINECS)

Xylene 1330-20-7
Deltamethrin 52918-63-5

SECTION 16. OTHER INFORMATION

REVISED SECTIONS:

The following sections have been revised:

SECTION 4: FIRST AID MEASURES

Hints for the physician

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