

**DuPont™ Acelepryn® Insecticide**

Version 2.0

Revision Date 2012/03/06

Document no. 130000027866

This SDS adheres to the standards and regulatory requirements of Japan and may not meet the regulatory requirements in other countries.

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Product name : DuPont™ Acelepryn® Insecticide

Supplier : Du Pont Kabushiki Kaisha

Street address : Sanno Park Tower 11-1, Nagata-cho 2-chome Chiyoda-ku Tokyo

Responsible Department : Agriculture & Nutrition - Crop Protection Products

Telephone : 03-5521-2473

Telefax : 03-5521-2470

Emergency telephone number : 03-5521-2461

**Recommended use of the chemical and restriction on use**

Recommended use : Insecticide

Document no. : 130000027866

**2. HAZARDS IDENTIFICATION****GHS-Classification**

Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

**GHS-Labeling**

Pictograms or Hazard symbols :



Signal word : Warning

Hazard statements : Very toxic to aquatic life with long lasting effects.

Precautionary statements : Collect spillage.  
Dispose of contents/ container to an approved waste disposal plant.

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Version 2.0

Revision Date 2012/03/06

Document no. 130000027866

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture  
Common Name : DuPont™ Acelepryn® Insecticide  
Synonyms : B12498745

**Components**

Chemical Name	CAS-No.	Concentration	ENCS/ISHL number
Chlorantraniliprole	500008-45-7	18.4 %	8-(1)-3379
Non regulated ingredients	Not disclosed	81.6 %	Not disclosed

**4. FIRST AID MEASURES**

## General advice

Never give anything by mouth to an unconscious person.

Eye contact : No specific intervention is indicated as the compound is not likely to be hazardous. If in eyes, rinse with water for 15 minutes. Consult a physician if necessary.

Skin contact : The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.

Ingestion : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

Most important symptoms : No information available.

Protection of first-aiders : No information available.

Notes to physician : No information available.

**5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

Extinguishing media which shall not be used for safety reasons : High volume water jet, (contamination risk)

Specific hazards : The product is not flammable.

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Revision Date 2012/03/06

Document no. 130000027866

- Specific methods : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Review sections 5 and 7 of the SDS before proceeding with clean-up. Use personal protective equipment.
- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.
- Prevention of secondary hazards : Dispose of in accordance with local regulations.

**7. HANDLING AND STORAGE****Handling**

- Technical measures/Precautions : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
- Local exhaust ventilation / adequate ventilation : No information available.
- Precautions : No information available.
- Precautions for safe handling : The product is not flammable.

**Storage**

- Suitable storage conditions : Store in a place accessible by authorized persons only. Store in original container. Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.


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Version 2.0

Revision Date 2012/03/06

Document no. 130000027866

Suitable container and  
packaging materials for  
safe storage : No information available.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering measures : Use only with adequate ventilation.

**Occupational Exposure Limits ISHL (Japan) - Occupational Exposure Limits**

Chemical Name	Occupational Exposure Limits		Regulation
Chlorantraniliprole	AEL *	10 mg/m <sup>3</sup> (Total dust.)	DuPont AEL (2007)
	AEL *	5 mg/m <sup>3</sup> (Respirable dust.)	DuPont AEL (2007)

**Personal protective equipment**

Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.

Hand protection : Material: Protective gloves

Eye protection : Wear protective eyewear to prevent contact with this substance.

Skin and body protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**9. PHYSICAL AND CHEMICAL PROPERTIES**
**Appearance (Physical state, form, colour, etc.)**

Physical state : liquid

Form : liquid , suspension

Colour : off-white

**Odour** : no data available

Odour Threshold : no data available

**pH** : 7.4

**DuPont™ Acelepryn® Insecticide**

Version 2.0

Revision Date 2012/03/06

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**Melting point/freezing point**

no data available

**Boiling point, initial boiling point and boiling range**

no data available

**Flash point** : No flash up to boiling point.**Autoignition temperature** : no data available**Evaporation rate** : no data available**Explosive properties**

Upper explosion limit : no data available

Lower explosion limit : no data available

**Vapour pressure** : no data available**Vapour density** : no data available**Relative density** : 1.10 (25 °C)**Density** : no data available**Solubility(ies)**

Water solubility : no data available

Solubility in other solvents : no data available

**Partition coefficient: n-octanol/water** : no data available**Decomposition temperature** : no data available**Other data** : Viscosity, dynamic: 52 mPa.s**10. STABILITY AND REACTIVITY**

Stability : Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions : Polymerization will not occur.

Conditions to avoid : No information available.

**DuPont™ Acelepryn® Insecticide**

Version 2.0

Revision Date 2012/03/06

Document no. 130000027866

Materials to avoid	: None reasonably foreseeable.
Hazardous decomposition products	: Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed upon combustion.
Other	: No information available.

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity	: DuPont™ Acelepryn® Insecticide:  Oral: LD50/rat : > 5,000 mg/kg  Inhalation: LC50/4 h/rat : > 2 mg/l  Dermal: LD50/rat : > 5,000 mg/kg
Skin corrosion/irritation	: DuPont™ Acelepryn® Insecticide:  Species: rabbit Result: No skin irritation
Serious eye damage/eye irritation	: DuPont™ Acelepryn® Insecticide:  Species: rabbit Result: No eye irritation
Respiratory sensitization / Skin sensitization	: DuPont™ Acelepryn® Insecticide:  Species: mouse Result: Animal test did not cause sensitization by skin contact.
Mutagenicity	: Chlorantraniliprole:  Did not cause genetic damage in animals. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Carcinogenicity	: Chlorantraniliprole:  Animal testing did not show any carcinogenic effects.
Reproductive toxicity	: Chlorantraniliprole:  Animal testing showed no reproductive toxicity. Animal testing showed no developmental toxicity.

**DuPont™ Acelepryn® Insecticide**

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Revision Date 2012/03/06

Document no. 130000027866

Target Organs	: Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.
Aspiration toxicity	: no data available
Other	: Chlorantraniliprole:  Repeated dose toxicity: Oral, multiple species No toxicologically significant effects were found. Repeated dose toxicity: Dermal, rat No toxicologically significant effects were found.

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Toxicity to fish	: DuPont™ Acelepryn® Insecticide:  LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 9.9 mg/l
Other	: DuPont™ Acelepryn® Insecticide:  ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 20 mg/l EC50/48 h/Daphnia magna (Water flea): 35 µg/l
Persistence and degradability	: no data available
Bioaccumulation	: no data available
Mobility in soil	: no data available
Other adverse effects	: DuPont™ Acelepryn® Insecticide:  See product label for additional application instructions relating to environmental precautions.

**13. DISPOSAL CONSIDERATIONS**

Disposal regulatory information	: Dispose in accordance with the Waste Disposal and Public Cleaning Law (Enforcement Ordinance, Section 6). When consigning for disposal, do so after signing a contract with a (specially controlled) industrial waste disposer approved by the local authority.
Waste disposal methods	: In accordance with local and national regulations. The product should not be allowed to enter drains, water courses or the soil.

**DuPont™ Acelepryn® Insecticide**

Version 2.0

Revision Date 2012/03/06

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Contaminated packaging : When disposing of empty containers, completely remove the content, and dispose of it in accordance with the Waste Disposal and Public Cleaning Law (Enforcement Ordinance, Section 6) in the same manner as with residual wastes. Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

International transport regulations

**IMDG**

UN number : 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(Chlorantraniliprole)  
Class : 9  
Packing group : III  
Marine pollutant : yes (Chlorantraniliprole)

**IATA**

UN number : 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(Chlorantraniliprole)  
Class : 9  
Packing group : III

UN DG classification : 9  
UN number : 3082 (Environmentally hazardous substance, liquid, n.o.s.)  
Domestic transport regulations : Vessel Safety Law Japan  
Aviation Law Japan  
Additional regulations : No information available.  
Matters needing attention for transportation : No information available.  
Emergency Response : 171  
Guidebook Number

**15. REGULATORY INFORMATION**

The product is not regulated under PDSC, PRTR or ISHL.

VSL Miscellaneous dangerous substances and articles  
AVL Miscellaneous dangerous substances and articles

Agricultural Chemicals Regulation Law: Insecticide





**DuPont™ Acelepryn® Insecticide**

Version 2.0

Revision Date 2012/03/06

Document no. 130000027866

**16. OTHER INFORMATION**

Sources of key data used to compile the Safety Data Sheet : US MSDS No.: M0000668

Contact department/person for inquiry : Japan Poison Information Centre Osaka Poison #110: (General citizen) 072-727-2499, (Medical institutions) 072-726-9923, Tsukuba Poison #110: (General citizen) 029-852-9999, (Medical institutions) 029-851-9999

Other : ® Registered trademark of E.I. du Pont de Nemours and Company Take notice of the directions of use on the label.

Significant change from previous version is denoted with a double bar.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.