

# SAFETY DATA SHEET



## DuPont™ Pexalon™ insect control

Version 2.2

Revision Date 26.01.2016

Document no. 130000094359

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

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

**Product name** : DuPont™ Pexalon™ insect control

**Other names** : DPX-RAB55 (10SC)  
DPX-RAB55 Suspension Concentrate  
Triflumezopyrim 106 g/L SC

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

Recommended use : Insecticide  
Restrictions on use : Do not use product for anything outside of the above specified uses.

#### Manufacturer, importer, supplier

Company : E. I. DuPont India Pvt. Ltd.  
Street address : 7th Floor, Tower C, DLF Cyber Greens, Sector 25A, DLF City Phase III, Gurgaon -  
122002, Haryana  
India  
Telephone : +91-124-2540900  
Telefax : +91-124-2540889 / 90 / 91 / 92

**Emergency telephone number** : +91-124-4092888 / +91-124-2353777

### 2. HAZARDS IDENTIFICATION

#### Product hazard classification

Endpoints which are not classified, cannot be classified or are not applicable are not shown.  
No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Mixture

#### Components

Chemical name	CAS-No.	Concentration
Triflumezopyrim	1263133-33-0	5 - 10%
Other Ingredients		90 - 95%

### 4. FIRST AID MEASURES

Never give anything by mouth to an unconscious person.  
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Inhalation** : Move to fresh air. Artificial respiration and/or oxygen may be necessary. Call a poison control center or doctor for treatment advice.

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<b>Skin contact</b>	: Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>Eye contact</b>	: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Ingestion</b>	: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.
<b>Most important symptoms/effects, acute and delayed</b>	: No cases of human intoxication are known and the symptoms of experimental intoxication are not known.
<b>Protection of first-aiders</b>	: No information available.
<b>Notes to physician</b>	: Treat symptomatically.

### 5. FIREFIGHTING MEASURES

<b>Suitable extinguishing media</b>	: Water spray, Foam, Dry chemical, Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	: High volume water jet, (contamination risk)
<b>Specific hazards</b>	: Hazardous decomposition products formed under fire conditions. Carbon dioxide (CO <sub>2</sub> ) Nitrogen oxides (NO <sub>x</sub> )  Hazardous decomposition products formed under fire conditions. Carbon dioxide (CO <sub>2</sub> ) Nitrogen oxides (NO <sub>x</sub> )
<b>Special protective equipment for firefighters</b>	: Wear full protective clothing and self-contained breathing apparatus.
<b>Specific extinguishing methods</b>	: No information available.
<b>Further information</b>	: 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.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	: Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear suitable protective equipment.
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- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up** : Clean-up methods - small spillage Prevent further leakage or spillage. Soak up with inert absorbent material. Shovel into suitable container for disposal.  
Clean-up methods - large spillage Prevent further leakage or spillage. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Large spills should be collected mechanically (remove by pumping) for disposal. Collect leaking liquid in sealable (metal/plastic) containers. Collect and contain contaminated absorbent and dike material for disposal.
- Additional advice** : Never return spills in original containers for re-use. 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.
- Precautions for safe handling : Keep away from heat and sources of ignition.

#### Storage

- Suitable storage conditions : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Store in a cool, dry place. Keep out of the reach of children.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

No information available.

- Engineering measures** : Ensure adequate ventilation, especially in confined areas.

- Biological occupational exposure limits** : No information available.

#### 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.

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- Skin protection** : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.
- Hygiene measures** : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Protective measures** : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Use this product in accordance with its label.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance (Physical state, form, colour, etc.)

- Physical state : liquid  
Form : liquid  
Colour : yellow

**Odour** : mild

**Odour Threshold** : No information available.

**pH** : 7.9

#### Melting point/freezing point

No information available.

#### Initial boiling point and boiling range

No information available.

**Flash point** : > 200 °F  
does not flash

**Evaporation rate** : No information available.

**Flammability (solid, gas)** : No information available.

#### Upper/lower flammability or explosive limits

- Upper explosion limit : No information available.  
Lower explosion limit : No information available.

**Vapour pressure** : No information available.

**Vapour density** : No information available.

#### Density

- Specific gravity : 1.06  
(Relative density)

#### Solubility(ies)

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Water solubility	: dispersible
<b>Partition coefficient: n-octanol/water</b>	: No information available.
<b>Auto-ignition temperature</b>	
Auto-ignition temperature	: 513 °C
<b>Decomposition temperature</b>	: No information available.
<b>Viscosity</b>	
Viscosity, kinematic	: No information available.
<b>Molecular weight</b>	: No information available.

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	: No information available.
<b>Chemical stability</b>	: Stable at normal temperatures and storage conditions.
<b>Possibility of hazardous reactions</b>	: Polymerization will not occur.
<b>Conditions to avoid</b>	: None reasonably foreseeable.
<b>Materials to avoid</b>	: None reasonably foreseeable.
<b>Hazardous decomposition products</b>	: No information available.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Oral

DuPont™ Pexalon™ insect control : LD50/Rat: &gt; 5,000 mg/kg

Inhalation

DuPont™ Pexalon™ insect control : LC50/4 h/Rat(dust/mist): &gt; 5.09 g/l

Dermal

DuPont™ Pexalon™ insect control : LD50/Rat: &gt; 5,000 mg/kg

**Skin corrosion/irritation**DuPont™ Pexalon™ insect control : Species: Rabbit  
Result: No skin irritation**Serious eye damage/eye irritation**DuPont™ Pexalon™ insect control : Species: Rabbit  
Result: No eye irritation**Respiratory or skin sensitisation**DuPont™ Pexalon™ insect control : Species: Guinea pig  
Result: Does not cause skin sensitisation.


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**Germ cell mutagenicity**

Triflumezopyrim : Weight of evidence does not support classification as a germ cell mutagen.

**Carcinogenicity**

Triflumezopyrim : Not classifiable as a human carcinogen.  
Tumors were observed in laboratory animals, yet are not considered relevant to humans.

**Reproductive toxicity**

Triflumezopyrim : Reproductive toxicity: No toxicity to reproduction  
Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity.  
Teratogenicity: Animal testing showed no developmental toxicity.

**Specific Target Organ Toxicity**

Specific target organ toxicity - single exposure

Triflumezopyrim : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure

Triflumezopyrim : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration hazard**

Triflumezopyrim : No aspiration toxicity classification

**Other**

Triflumezopyrim : Repeated dose toxicity:  
Oral - feed/Dog 90 d  
No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Adverse body weight effects, altered hematology, Thymus effects  
Oral - feed/Rat 90 d  
No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Adverse body weight effects, Liver effects  
Mouse 90 d  
No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.

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

Acute and prolonged toxicity to fish

DuPont™ Pexalon™ insect control : LC50/96 h/Cyprinus carpio (Carp): > 120 mg/l  
(Data on the product itself)

Toxicity to aquatic plants

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DuPont™ Pexalon™ insect control : ErC50/72 h/Pseudokirchneriella subcapitata (algae): 110 mg/l  
(Data on the product itself)

### Acute toxicity to aquatic invertebrates

DuPont™ Pexalon™ insect control : EC50/48 h/Daphnia magna (Water flea): 106 mg/l  
(Data on the product itself)

### Persistence and degradability

DuPont™ Pexalon™ insect control : Not readily biodegradable. Estimation based on data obtained on active ingredient.  
Not readily biodegradable. Estimation based on data obtained on active ingredient.

### Bioaccumulation

DuPont™ Pexalon™ insect control : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB). Does not bioaccumulate. Estimation based on data obtained on active ingredient.

### Mobility in soil

No information available.

### Other adverse effects

DuPont™ Pexalon™ insect control : See product label for additional application instructions relating to environmental precautions.

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods** : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Container Refilling and Disposal: Refer to the product label for instructions. Do not transport if this container is damaged or leaking. In accordance with local and national regulations.

**Contaminated packaging** : Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

## 15. REGULATORY INFORMATION

Product subject to regulatory requirements under the Insecticides Act, 1968 and Insecticides Rules, 1971

## 16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet

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1. The Factories Act, 1948, The Second Schedule: Permissible levels of certain chemical substances in work environment, as amended through April, 2001
2. Manufacture, Storage and Import of Hazardous Chemical Rules 1989, as amended through January 2000

### **References**

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### **Revision Date/Version**

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Take notice of the directions of use on the label.

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

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