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

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

<table>
<thead>
<tr>
<th>Product name</th>
<th>DuPont™ Canopy® EX Herbicide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tradename/Synonym</td>
<td>Canopy Ex</td>
</tr>
<tr>
<td></td>
<td>DPX-JXH53</td>
</tr>
<tr>
<td></td>
<td>B11731688</td>
</tr>
<tr>
<td>Chlorimuron Ethyl</td>
<td>Ethyl 2-[[((4-chloro-6-methoxypyrimidin-2-yl)amino)carbonyl]amino]sulfonyl]benzoate</td>
</tr>
<tr>
<td>Tribenuron methyl</td>
<td>Methyl 2-[[((4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate</td>
</tr>
</tbody>
</table>

Product Use : Herbicide

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

Manufacturer/Supplier : DuPont
974 Centre Road
Wilmington, DE 19805, USA

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency : +1-800-424-9300 (outside the U.S. +1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

**Other hazards**

Information presented in Section 2 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**DuPont™ Canopy® EX Herbicide**

**SECTION 4. FIRST AID MEASURES**

**General advice**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-800-441-3637. See Label for Additional Precautions and Directions for Use. Information presented in Section 4 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.

**Inhalation**

Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**Skin contact**

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.

**Eye contact**

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.

**Ingestion**

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

**Most important symptoms/effects, acute and delayed**

No applicable data available.
Protection of first-aiders: No applicable data available.
Notes to physician: No applicable data available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
Unsuitable extinguishing media: High volume water jet, (contamination risk)
Specific hazards: Under severe dusting conditions, this material may form explosive mixtures in air.
Special protective equipment for firefighters: Wear full protective clothing and self-contained breathing apparatus.
Further information: (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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel): Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.
Environmental precautions: Prevent material from entering sewers, waterways, or low areas.
Spill Cleanup: Sweep up and shovel into suitable containers for disposal.
Accidental Release Measures: Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE
Handling (Personnel): 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.

Handling (Physical Aspects): Keep away from heat and sources of ignition. Avoid dust formation.

Dust explosion class: No applicable data available.

Storage: Store in original container. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Keep out of the reach of children.

Storage period: No applicable data available.

Storage temperature: No applicable data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown. Information presented in Section 8 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.

Personal protective equipment

Skin and body protection: Mixers, loaders, applicators and other handlers must wear:
- Long sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.
- Shoes plus socks
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
Coveralls
Chemical resistant gloves made of any waterproof material
Shoes plus socks

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.

Exposure Guidelines
Exposure Limit Values

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tribenuron methyl</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEL * (DuPont)</td>
<td>0.5 mg/m³</td>
<td>12 hr. TWA</td>
</tr>
<tr>
<td>AEL * (DuPont)</td>
<td>1 mg/m³</td>
<td>8 hr. TWA</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Titanium dioxide</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL (Permissible Exposure Limit) (OSHA)</td>
<td>15 mg/m³</td>
<td>8 hr. TWA</td>
</tr>
<tr>
<td>PEL (Permissible Exposure Limit) (OSHA)</td>
<td>10 mg/m³</td>
<td>TWA</td>
</tr>
<tr>
<td>TLV (ACGIH)</td>
<td>10 mg/m³</td>
<td>TWA</td>
</tr>
<tr>
<td>AEL * (DuPont)</td>
<td>10 mg/m³</td>
<td>8 &amp; 12 hr. TWA</td>
</tr>
<tr>
<td>AEL * (DuPont)</td>
<td>5 mg/m³</td>
<td>8 &amp; 12 hr. TWA</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chlorimuron ethyl</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEL * (DuPont)</td>
<td>10 mg/m³</td>
<td>8 &amp; 12 hr. TWA</td>
</tr>
<tr>
<td>AEL * (DuPont)</td>
<td>5 mg/m³</td>
<td>8 &amp; 12 hr. TWA</td>
</tr>
</tbody>
</table>

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical state : solid
Form : solid, water dispersible granules
Color : ivory

Odor : none

Odor threshold : No applicable data available.
### pH
- **Value**: 6.6 - 7.4

### Melting Point/Range
- **Value**: No applicable data available.

### Boiling Point/Boiling Range
- **Value**: No applicable data available.

### Flash Point
- **Value**: No applicable data available.

### Evaporation Rate
- **Value**: No applicable data available.

### Flammability (Solid, Gas)
- **Value**: No applicable data available.

### Upper Explosion Limit
- **Value**: No applicable data available.

### Lower Explosion Limit
- **Value**: 0.212 g/l

### Vapour Pressure
- **Value**: No applicable data available.

### Vapour Density
- **Value**: No applicable data available.

### Specific Gravity (Relative Density)
- **Value**: No applicable data available.

### Bulk Density
- **Value**: 750 - 910 kg/m³
  - **Tapped**

### Water Solubility
- **Value**: No applicable data available.

### Solubility(ies)
- **Value**: No applicable data available.

### Partition Coefficient: n-Octanol/Water
- **Value**: No applicable data available.

### Auto-Ignition Temperature
- **Value**: 330 °C

### Decomposition Temperature
- **Value**: No applicable data available.

### Viscosity, Kinematic
- **Value**: No applicable data available.

### Viscosity, Dynamic
- **Value**: No applicable data available.

### SECTION 10. STABILITY AND REACTIVITY

#### Reactivity
- **Value**: No applicable data available.
DuPont™ Canopy® EX Herbicide

SECTION 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Material</th>
<th>Toxicity Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation 4 h LC50</td>
<td>&gt; 5 mg/l, Rat</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>&gt; 2,000 mg/kg, Rabbit</td>
</tr>
<tr>
<td>Oral LD50</td>
<td>&gt; 5,000 mg/kg, Rat</td>
</tr>
<tr>
<td>Skin irritation</td>
<td>Slight irritation, Rabbit</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>No eye irritation. Minimal effects that do not meet the threshold for classification.</td>
</tr>
<tr>
<td>Sensitisation</td>
<td>Does not cause skin sensitisation, Rabbit</td>
</tr>
</tbody>
</table>

Further information:
Information given is based on data on the components.

Further information:
Information presented in this Section conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.

Triphenylmethyl

Repeated dose toxicity:
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Oral - feed
Mouse
- 90 d
NOAEL: 500 mg/kg
Reduced body weight gain

Oral
Rat
- 28 d
Reduced body weight gain

Carcinogenicity : Not classifiable as a human carcinogen.
An increased incidence of tumours was observed in laboratory animals.
Target(s):
Mammary glands

Mutagenicity : Animal testing did not show any mutagenic effects.
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Reproductive toxicity : No toxicity to reproduction

Chlorimuron ethyl
Repeated dose toxicity :
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Dermal
Rabbit
- No toxicologically significant effects were found.

Oral
Dog
- No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.
Abnormal decrease in number of red blood cells

Oral
Rat
- No adverse effect has been observed in chronic toxicity tests.

Carcinogenicity : Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic
Reproductive toxicity: No toxicity to reproduction

Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Titanium dioxide
Repeate dose toxicity: Oral Rat
NOAEL: 1,000 mg/kgMethod: OECD Test Guideline 408
No toxicologically significant effects were found.

Carcinogenicity: Not classifiable as a human carcinogen. Overall weight of evidence indicates that the substance is not carcinogenic.

Mutagenicity: Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Reproductive toxicity: Animal testing showed no reproductive toxicity.

Teratogenicity: Animal testing showed no developmental toxicity.

material IARC NTP OSHA
Titanium dioxide 2B
Quartz 1 X

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity
Tribenuron methyl
96 h LC50 : Oncorhynchus mykiss (rainbow trout) 738 mg/l
120 h EC50 : Pseudokirchneriella subcapitata (microalgae) 0.11 mg/l
14 d EC50 : Lemna gibba (duckweed) 0.00425 mg/l
48 h EC50 : Daphnia magna (Water flea) > 894 mg/l

Chlorimuron ethyl
96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l
96 h LC50 : Lepomis macrochirus (Bluegill sunfish) > 100 mg/l
72 h EC50 : Pseudokirchneriella subcapitata (green algae) 0.001 mg/l
48 h EC50 : Daphnia magna (Water flea) > 1,000 mg/l

Titanium dioxide
96 h LC50 : Pimephales promelas (fathead minnow) > 1,000 mg/l
72 h ErC50 : Pseudokirchneriella subcapitata (green algae) > 100 mg/l see user defined free text
72 h NOEC : Algae 5,600 mg/l see user defined free text
48 h EC50 : Daphnia magna (Water flea) > 100 mg/l OECD Test Guideline 202

Additional ecological information : Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply where/when conditions favour runoff. See product label for additional application instructions relating to environmental precautions.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Product : 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.

Waste disposal methods - Container Refilling and Disposal:
DuPont™ Canopy® EX Herbicide

Container

Refer to the product label for instructions.
Do not transport if this container is damaged or leaking.

In the event of a major spill, fire or other emergency, call 1-800-441-3637 day or night.

Contaminated packaging : No applicable data available.

SECTION 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>IATA_C</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Class</th>
<th>Packing group</th>
<th>Labelling No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3077</td>
<td>Environmentally hazardous substance, solid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Chlorimuron ethyl, Tribenuron methyl)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMDG</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Class</th>
<th>Packing group</th>
<th>Labelling No.</th>
<th>Marine pollutant</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3077</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorimuron ethyl, Tribenuron methyl)</td>
<td>9</td>
<td>III</td>
<td>9</td>
<td>yes (Chlorimuron ethyl, Tribenuron methyl)</td>
</tr>
</tbody>
</table>

Not regulated as a hazardous material by DOT.

SECTION 15. REGULATORY INFORMATION

Other regulations : This Safety Data Sheet is for a pesticide product registered by the US Environmental Protection Agency (USEPA) and various state regulatory agencies, and is therefore also subject to certain requirements under US and state pesticide laws, including the Federal Insecticide Fungicide and Rodenticide Act (FIFRA). These requirements differ from the classification criteria and hazard information required by OSHA for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is information determined by USEPA, and various states.

CAUTION!
Safety Data Sheet

**DuPont™ Canopy® EX Herbicide**

Version 3.0

**Issue Date**: 03/18/2019  
**Revision Date**: 02/08/2019  
**Ref.**: 130000029384

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

**SARA 311/312 Hazard classification**: No SARA Hazards

**SARA 313 Regulated Chemical(s)**: The following components are subject to reporting levels established by SARA Title III, Section 313: Chlorimuron ethyl

**PA Right to Know Regulated Chemical(s)**: Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Kaolin, Sucrose, Sodium sulphate

**CERCLA Reportable Quantity**: Based on the percentage composition of this chemical in the product:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene</td>
<td></td>
</tr>
</tbody>
</table>

**SARA Reportable Quantity**: This material does not contain any components with a SARA 302 RQ.

**EPA Reg. No.**: 352-635

In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

**California Prop. 65**: This product can expose you to substances including Titanium dioxide, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

**SECTION 16. OTHER INFORMATION**

<table>
<thead>
<tr>
<th>Category</th>
<th>NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity/Physical hazard</td>
<td>0</td>
</tr>
</tbody>
</table>

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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 guidance for safe handling, use, processing, storage,
transportation, disposal and release and is not to be considered a warranty or quality specification. The information
relates only to the specific material designated and may not be valid for such material used in combination with any
other materials or in any process, unless specified in the text.