# SAFETY DATA SHEET

## 1. IDENTIFICATION

### Product identifier

**Product code:** F3591  
**Product Name:** FLUTICASONE PROPIONATE

### Other means of identification

**Synonyms:** Fluticasone 17-propionate; Androsta-1,4-diene-17-carbothioic acid, 6,9-difluoro-11-hydroxy-16-methyl-3-oxo-17-(1-oxopropoxy)-, S-(fluoromethyl) ester, (6-alpha,11-beta,16-alpha,17-alpha)-  
**CAS #:** 80474-14-2  
**RTECS #:** BV7980000  
**CIF#:** Not available

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

**Recommended use:** Medication. Drug.  
**Uses advised against:** No information available

### Supplier

Spectrum Chemical Mfg. Corp  
14422 South San Pedro St.  
Gardena, CA  90248  
(310) 516-8000

**Order Online At:**  
[https://www.spectrumchemical.com](https://www.spectrumchemical.com)

**Emergency telephone number**  
Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

| Reproductive toxicity | Category 2 |

### Label elements

---

**Product code:** F3591  
**Product name:** FLUTICASONE PROPIONATE
Warning

Hazard statements
Suspected of damaging fertility or the unborn child

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
Not available

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
<td>80474-14-2</td>
<td>100</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If eye irritation persists, consult a specialist.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Product code: F3591  Product name: FLUTICASONE PROPIONATE
Most important symptoms and effects, both acute and delayed

Symptoms
- May cause eye/skin irritation.
- May cause irritation of respiratory tract.
- May cause nausea and vomiting.
- Glucocorticoids (Corticosteroids) may cause bone fractures, back pain, joint pain/stiffness, numbness, weakness, infection, delayed wound healing, thinning skin, bruising, acne, menstrual irregularities, headache, sweating, eye pain, vision changes, mental and behavior changes, fever, muscle pain, immune system depression, purple lines on skin, tremors, Cushing's syndrome, electrolyte imbalance.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO2). Water spray. Foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon oxides; sulfur oxides; hydrogen fluoride

Specific hazards: May be combustible at high temperatures

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Avoid dust formation. Remove all sources of ignition.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and material for containment and cleaning up

Methods for containment: Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions: Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. All equipment used when handling the product must be grounded. Keep away from incompatible materials.
Safe Handling Advice
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

Incompatible Materials:
Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSOANL PROTECTION

Control parameters

National occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>United States</th>
<th>Canada</th>
<th>Australia and Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA</td>
<td>NIOSH</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Fluticasone Propionate 80474-14-2</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering measures to reduce exposure: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields
Skin and body protection: Long sleeved clothing, apron, Gloves.
Respiratory protection: Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.
Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

Product code: F3591
Product name: FLUTICASONE PROPIONATE
### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state:</strong></td>
<td>Solid</td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Color:</strong></td>
<td>White. Off-white.</td>
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<tr>
<td><strong>Odor:</strong></td>
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<tr>
<td><strong>Molecular/Formula weight:</strong></td>
<td>500.57</td>
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<td><strong>Flash Point Tested according to:</strong></td>
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<tr>
<td><strong>Upper Explosion Limit (%):</strong></td>
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<tr>
<td><strong>Decomposition temperature (°C/°F):</strong></td>
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<tr>
<td><strong>Density (g/cm³):</strong></td>
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<tr>
<td><strong>Evaporation rate:</strong></td>
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<tr>
<td><strong>Odor threshold (ppm):</strong></td>
<td>No information available</td>
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<tr>
<td><strong>Miscibility:</strong></td>
<td>No information available</td>
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<tr>
<td><strong>Odor:</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>pH:</strong></td>
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<td><strong>Melting point/range(°C/°F):</strong></td>
<td>261-273 °C/501.8-523.4 °F</td>
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<tr>
<td><strong>Boiling point/range(°C/°F):</strong></td>
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<td><strong>Bulk density:</strong></td>
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<td><strong>Specific gravity:</strong></td>
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<td><strong>Vapor density:</strong></td>
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<td><strong>Partition coefficient (n-octanol/water):</strong></td>
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<td><strong>Miscibility:</strong></td>
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<td><strong>Solubility:</strong></td>
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<tr>
<td><strong>Flash Point Tested according to:</strong></td>
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</tr>
<tr>
<td><strong>Autoignition Temperature (°C/°F):</strong></td>
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<td><strong>Lower Explosion Limit (%):</strong></td>
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<td><strong>Vapor pressure @ 20°C (kPa):</strong></td>
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<tr>
<td><strong>VOC content (g/L):</strong></td>
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</tr>
<tr>
<td><strong>Flammability:</strong></td>
<td>No information available</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Reactivity**
May react with strong oxidizers

**Stability:**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:**
Hazardous polymerization does not occur

**Conditions to avoid:**

**Incompatible Materials:**
Strong oxidizing agents.

**Hazardous decomposition products:**

**Other Information**
No information available

**Corrosivity:**
No information available

**Special Remarks on Corrosivity:**
No information available

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product code:** F3591  
**Product name:** FLUTICASONE PROPIONATE
Principal Routes of Exposure:
Inhalation. Ingestion.

Acute Toxicity

Component Information

Fluticasone Propionate - 80474-14-2

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>LD50/oral/rat</td>
<td>&gt; 2 g/kg</td>
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<tr>
<td>LD50/oral/mouse</td>
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</tr>
<tr>
<td>LD50/dermal/rabbit</td>
<td>No information</td>
</tr>
<tr>
<td>LD50/dermal/rat</td>
<td>No information</td>
</tr>
<tr>
<td>LC50/inhalation/rat</td>
<td>No information</td>
</tr>
<tr>
<td>LC50/inhalation/mouse</td>
<td>No information</td>
</tr>
</tbody>
</table>

Product Information

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50/oral/rat</td>
<td>&gt;2000mg/kg</td>
</tr>
<tr>
<td>LD50/oral/mouse</td>
<td>No information</td>
</tr>
<tr>
<td>LD50/dermal/rabbit</td>
<td>No information</td>
</tr>
<tr>
<td>LD50/dermal/rat</td>
<td>No information</td>
</tr>
<tr>
<td>LC50/inhalation/rat</td>
<td>No information</td>
</tr>
</tbody>
</table>

Symptoms

Skin Contact: May cause skin irritation.
Eye Contact: May cause eye irritation.
Inhalation: May cause respiratory tract irritation. May cause nausea, vomiting.
Ingestion: Corticosteroids: Nausea, vomiting, headache. May cause bone fractures, back pain, joint pain or stiffness, weakness, high blood pressure, increased appetite, infection, delayed wound healing, thinning skin, bruising, purple lines on skin, increased hair growth, acne, redistribution of body fat, menstrual irregularities, impotence, increased sweating, eye pain, vision changes, mental and personality changes, swelling, lightheadedness, numbness, tremors, electrolyte imbalance, Cushing's syndrome, adrenal supression, immune system depression.
Aspiration hazard: No information available.

Product code: F3591  Product name: FLUTICASONE PROPIONATE
Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity

Prolonged or repeated inhalation may cause nausea. Prolonged or repeated inhalation may cause vomiting. Prolonged or repeated inhalation may affect the blood (changes in red blood cell count). Corticosteroids may also have an inhibitory effect on wound healing. This may affect persons who have experienced recent nasal ulcers, nasal surgery or nasal trauma. Prolonged or repeated inhalation may affect the liver. Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated eye contact with glucocorticoids/corticosteroids may affect vision (glaucoma, cataracts). Prolonged or repeated ingestion of corticosteroids may cause osteoporosis due to mobilization of calcium and phosphorus, development of glaucoma and cataracts, muscle weakness/muscle wasting, swelling of the feet or lower legs due sodium retention, hip or shoulder pain, irregular heartbeat. It may affect the liver, kidneys, pancreas (pancreatitis), blood (changes in serum composition), behavior/central nervous system (anxiety, nervousness or restlessness, trouble sleeping, mental disturbances such as psychosis, euphoria, depression), protein metabolism, lipid metabolism, carbohydrate metabolism causing insulin resistance, hyperglycemia, diabetes, and the immune system (immunosuppressant) causing increased susceptibility to infections), thinning skin. Repeated ingestion of large doses of corticosteroids may also produce other symptoms typical of hyperactivity of the adrenal gland and overproduction of cortisol (Cushing’s Syndrome) such moon-face, buffalo hump, increased bruising, ecchymoses, striae, and acne, menstrual irregularities, amenorrhea, sometimes hirsutism (deepening of the voice in women), and excess hair growth (in women). Prolonged or repeated skin contact with corticosteroids/glucosteroids may cause dryness, folliculitis, acne, hypopigmentaton, dermatitis, thinning of skin (skin atrophy).

Sensitization:

No information available

Mutagenic Effects:

No information available

Carcinogenic effects:

Not considered carcinogenic

<table>
<thead>
<tr>
<th>Components</th>
<th>IARC</th>
<th>ACGIH - Carcinogens</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
<th>Australia - Notifiable Carcinogenic Substances</th>
<th>Australia - Prohibited Carcinogenic Substances</th>
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</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Reproductive toxicity

Suspected of damaging fertility or the unborn child

Reproductive Effects:

No information available

Developmental Effects:

Fluticasone is a glucocorticoid. Glucocorticoid medication used during pregnancy has been associated with an increased risk of cleft plaate and impaired fetal growth by some studies (REPROTOX). There are no adequate and well-controlled studies in humans. Possible risk of harm to the unborn child

Teratogenic Effects:

No information available

Specific Target Organ Toxicity

STOT - single exposure: No information available
STOT - repeated exposure: No information available
Target Organs: No information available

Product code: F3591

Product name: FLUTICASONE PROPIONATE
12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

DOT

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: None
ERG No: No information available
Marine Pollutant: No data available
DOT RQ (lbs): No information available
Special Provisions: No Information available
Symbol(s): No information available

TDG (Canada)

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Marine Pollutant: No Information available

ADR

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available

Product code: F3591
Product name: FLUTICASONE PROPIONATE
14. TRANSPORT INFORMATION

Packing Group: No information available
Subsidiary Risk: No information available

IMO / IMDG
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Marine Pollutant: No information available

RID
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

ICAO
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

IATA
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
ERG Code: No information available
Special Provisions: No information available

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Components</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
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</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
<td>Not Listed</td>
<td>Not present</td>
<td>Not present</td>
<td>Not present</td>
<td>Not present</td>
<td>Not present</td>
<td>Not present</td>
</tr>
</tbody>
</table>

U.S. Regulations


Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (See table below)

<table>
<thead>
<tr>
<th>Components</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
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</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
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<td>Developmental toxicity</td>
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</table>

Product code: F3591
Product name: FLUTICASONE PROPIONATE
## CERCLA/SARA

<table>
<thead>
<tr>
<th>Components</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and ROs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
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</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
<td>None</td>
<td>None</td>
<td>None</td>
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</table>

## U.S. TSCA

<table>
<thead>
<tr>
<th>Components</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

## Canada

**WHMIS hazard class:**
Non-controlled

**Canada Controlled Products Regulation:**
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

## Inventory

<table>
<thead>
<tr>
<th>Components</th>
<th>Canada (DSL)</th>
<th>Canada (NDSL)</th>
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</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
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</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>CEPA Schedule I - Toxic Substances</th>
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</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluticasone Propionate</td>
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</tr>
</tbody>
</table>

## EU Classification

**R-phrase(s)**
R63 - Possible risk of harm to the unborn child.
R66 - Repeated exposure may cause skin dryness or cracking.

**S-phrase(s)**
S46 - If swallowed, seek medical advice immediately and show this container or label.
S36/37 - Wear suitable protective clothing and gloves.

<table>
<thead>
<tr>
<th>Components</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
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<tbody>
<tr>
<td>Fluticasone Propionate</td>
<td></td>
<td>No information</td>
<td></td>
</tr>
</tbody>
</table>

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**
Xn - Harmful.

**Product code:** F3591  
**Product name:** FLUTICASONE PROPIONATE
16. OTHER INFORMATION

Preparation Date: 5/13/2016
Revision Date: 5/13/2016
Prepared by: Sonia Owen

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet