



# Material Safety Data Sheet – SnowFx Chemical Free

In accordance with 453/2010

## 1. Identification of substances

1.1 **Trade Name:** SnowFx Standard – Chemical Free (FSX)  
SnowFX Fine – Chemical Free (HSX)

1.2 **Supplier:** Snow Business International Ltd, The Snow Mill, Ebley, Stroud,  
Glos GL5 4TR, United Kingdom.

1.3 **Contact:** Symon Doliczny

1.4 **Telephone:** +44 (0) 1453 840088

1.5 **Applications** This range of products is designed to simulate dressed or falling snow for use in filming or live events, at locations where the site may be particularly sensitive such as where organic farming regulations apply or on 'Sites of Special Scientific Interest' where delicate ecological balances have to be maintained, or around fresh water springs where water is extracted for bottling and sale. The chemical free range is not recommended for Stage use as there are no fire-retarding salts to inhibit combustion. On location the risk of fire is minimal as the SnowCel is laid with water via high-pressure jets. With dyes it can be used for sand, foliage or ash effects. Biodegradable.

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## 2. Hazard Identification:

2.1. **Classification of the substance or mixture:**  
cellulose (recycled paper stock)

### 2.2. **Label elements:**

Chemical name: Cellulose

Chemical symbol: C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>

R - sentences: not applicable

S - sentences: not applicable

2.3. **Other hazards:** not applicable

## 3. Composition / Information on Ingredients:

3.1. **Substances:** cellulose

3.2. **Mixtures:** not applicable  
See item 10

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**4. First Aid Measures:**

4.1. **Description of first aid measures:** In case of health problems due to exposure to dust of the product (especially with eye irritation) or when in doubt, consult a doctor.

4.1.1. If the dust from the product is inhaled: Move the affected person to the fresh air, wash the face thoroughly with water, rinse the mouth (or nose) with water, rest, do not smoke, with respiratory problems, call medical help. If the dust from the product has contact with skin: Shake off the dust from clothing or blow it off, wash the skin with plenty of tepid water or with a mild Soap/detergent, after washing apply a suitable reparation cream.  
In cases of eye contact with dust of the product: Immediately rinse with clean tepid water thoroughly for 10-15 minutes with eyelids open and seek medical help. If the dust of the product is inhaled: Rinse the mouth with water, and seek medical help.

4.1.2. Other data: Immediate medical attention is required. Move the affected person to the fresh air. No specific safety equipment for person providing first aid is required.

4.2. **Most important symptoms and effects, both acute and delayed:** not applicable

4.3. **Indication of any immediate medical attention and special treatment needed:** not applicable

**5. Firefighting Measures:**

5.1. **Extinguishing media:** Water spray jet

5.2. **Special hazards arising from the substance or mixture:** In case of a fire, the product may form carbon monoxide and carbon dioxide.

5.3. **Advice for firefighters:** Extinguishing media to avoid: water hose stream.  
In case of fire wear positive pressure self-contained breathing apparatus, use appropriate protection of respiratory system (insulating means), or whole-body protection.

**6. Accidental Release Measures:**

6.1. **Personal precautions, protective equipment and emergency procedures:** Minimize dust! Use personal protective means, follow the instructions of chapters 7 and 8, do not inhale the dust, avoid contact with skin and eyes. Avoid further dust distribution, for example by wetting the material.

6.2. **Environmental precautions:** Prevent wind dispersal of the loose fibrous dust. Keep away from drainage. Take up by mechanical means.

6.3. **Methods and material for containment and cleaning up:** Sweep the spilled dust from the product up carefully or rather suck it up by a vacuum cleaner with suitable filter, pick large pieces up. Then put this material into labeled containers and dispose - see the point No 13. If sweeping up, spray the material first; never use compressed air for cleaning.

6.4. **Reference to other sections:** not applicable

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**7. Handling and Storage:**

- 7.1. **Precautions for safe handling:** Minimize dust at work, avoid contact with skin and eyes, do not inhale the dust, at work use personal Protective equipment listed in point No 8, wash your hands after handling. Keep bags tightly closed and dry. Take precautionary measures against static discharges.
- 7.2. **Conditions for safe storage, including any incompatibilities:** Store in original, undamaged packaging, in dry, sheltered and clean stock area, protect from humidity, store away from explosive and oxidation substances, keep away from sources of ignition, do not smoke, do not expose to direct climatic effects.
- 7.3. **Specific end use(s):** not applicable

**8. Exposure Controls / Personal Protection:**

- 8.1. **Control parameters:** Provide sufficient ventilation.
- 8.2. **Exposure controls:**
- 8.2.1. Appropriate engineering controls: Cellulose TRGS900: 6 mg/m<sup>3</sup> (general dust limiting value) - for monitoring exposure limits of ingredients of a preparation are only conditionally suitable.
- 8.2.2. Individual protection measures, such as personal protective equipment: Common hygienic precautions, do not eat, drink or smoke during application; wash the hands with warm water and soap after use, eventually apply a suitable repair means, it is necessary to keep the protective equipment in working order, damaged (for example gloves) or dysfunctional must be immediately replaced. We do not recommend the working of this product to pregnant and nursing women.
- a/ Eye / face protection: Protective dustproof glasses.
- b/ Skin protection:  
/ hand protection: Protective gloves.  
ii/ other: Suitable protective clothing, firmly fastened to the body at the ends (sleeves, trouser legs, waist) and closed shoes.
- c/ Respiratory protection: Recommended if ventilation is not sufficient.
- d/ Thermal hazards: not applicable

**9. Physical and Chemical Properties:**

- 9.1. **Information on basic physical and chemical properties:**
- a/ Appearance: see item 16
- b/ Odour: characteristic - new paper
- c/ Odour threshold: odorless
- d/ pH see item 16
- e/ Melting point / freezing point: not applicable
- f/ Initial boiling point and boiling range: not applicable
- g/ Flash point: not applicable
- h/ Evaporation rate: not applicable
- i/ Flammability (solid, gas): E
- j/ Upper / lower flammability or explosive limits: not applicable

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- k/ Vapour pressure: not applicable
- l/ Vapour density: see item 16
- m/ Relative density: not applicable
- n/ Solubility: see item 16
- o/ Partition coefficient: n-octanol/water: not applicable
- p/ Auto-ignition temperature: not applicable
- q/ Decomposition temperature: see item 10
- r/ Viscosity: not applicable
- s/ Explosive properties: not applicable
- t/ Oxidizing properties: not applicable

9.2. **Other information: not applicable**

10. **Stability and Reactivity:**

- 10.1. **Reactivity:** When stored according to item 7 of this Safety data sheet, the product is stable and spontaneous decomposition does not happen.
- 10.2. **Chemical stability:** When stored according to item 7 of this Safety data sheet, the product is stable and spontaneous decomposition does not happen.
- 10.3. **Possibility of hazardous reactions:** Product decomposes at temperatures higher than 200 °C releasing harmful gasses. May form explosive dust-air mixture.
- 10.4. **Conditions to avoid:** see item 7
- 10.5. **Incompatible materials:** Concentrated acids and lies.
- 10.6. **Hazardous decomposition products:** not known

11. **Toxicological Information:**

- 11.1. **Information on toxicological effects:** Preparation components have no narcotic effects but the dust of preparation can irritate, actual effect depends on the concentration and the exposed time in contaminated area and personal sensitivity.
  - a/ Acute toxicity: Not established for this product.
  - b/ Skin corrosion / irritation: Dust from the product is irritant.
  - c/ Serious eye damage / irritation: Dust from the product is irritant.
  - d/ Respiratory or skin sensitization: Dust from the product is irritant.
  - e/ Germ cell mutagenicity: Not established for this product.
  - f/ Carcinogenicity: Not established for this product.
  - g/ Reproductive toxicity: Not established for this product.
  - h/ STOT-single exposure: Not established for this product.
  - i/ STOT-repeated exposure: Not established for this product.
  - j/ Aspiration hazard: Dust from the product is irritant.

12. **Ecological Information:**

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- 12.1. **Toxicity:** not tested
- 12.2. **Persistence and degradability:** not tested
- 12.3. **Bio accumulative potential:** not tested
- 12.4. **Mobility in soil:** not tested
- 12.5. **Results of PET and vPvB assessment:** not tested
- 12.6. **Other adverse effects:** not tested
- 13. Disposal Considerations:**
- 13.1. **Waste treatment methods:** Please comply with the national or regional authorities. Recommended method of disposal is combustion or composting. Contaminated packaging are to be totally emptied, handling is the same as the preparation itself, empty. PE packaging can be recycled. Safe handling: please refer to items 7 and 15.
- 14. Transport Information:**
- The preparation is not dangerous goods according to the international and national transport regulations. Transport the preparation in common sheltered, clean means of transport, protected against weather effects and direct sunshine.
- 14.1. *UN number:* not applicable
- 14.2. *UN proper shipping name:* not applicable
- 14.3. *Transport hazard class:* not applicable
- 14.4. *Packing group:* not applicable
- 14.5. *Environmental hazards:* not applicable
- 14.6. *Special precautions for users:* not applicable
- 14.7. *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:* not applicable
- 15. Regulatory Information:**
- 15.1. **Safety, health and environmental regulation /legislation specific for the substance or mixture:** For the distribution or handling please comply with the national (regional) regulations or any other national measures that may be relevant.
- 15.2. **Chemical safety assessment:** not tested

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**16. Other Information:**

For additional information kindly refer to the attached Specification List.

Safety data sheet includes data necessary to ensure the safety and health protection at work and environmental protection.

Stated data corresponds to the actual state of knowledge and experience and are according to the valid legal regulations.

It cannot be considered as a warranty of fitness and usability for any concrete application.

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**Author: Symon Doliczny**

The statements in this bulletin were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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