



# SAFETY DATA SHEET

## DR. SCHOLL'S Powder Sprays

Version 2.1

Revision Date 03/28/2017

122000013145  
Print Date 03/29/2017

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

#### Product information

**Product Name:** DR. SCHOLL'S Powder Sprays  
**Synonyms:** DR. SCHOLL'S Odor-X Foot & Sneaker Spray Powder  
**SDS Number:** 122000013145  
**UI Number:** 1612492

**Use** : Consumer

#### Company

Bayer HealthCare, LLC  
Consumer Health  
100 Bayer Boulevard PO Box 915  
Whippany, NJ 07981-0915  
UNITED STATES OF AMERICA  
(800) 743-5423

**In case of emergency:** (800) 331-4536  
Chemtrec: (800) 424-9300  
BAYER INFORMATION PHONE:(800) 331-4536 OR (800) 743-5423

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### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

**Classification according to national GHS implementation:**  
Flammable aerosols, Category 1 (H222)

#### Label elements

**Labelling according to national GHS implementation:**



Danger

#### Hazard statements:

H222 Extremely flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.

#### Precautionary statements:

Prevention:  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after use.

#### Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.



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Disposal:  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

Other hazards which do not result in classification:  
None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

#### Hazardous components

##### Ethanol

Concentration [Weight percent] 13.95  
CAS-No.: 64-17-5  
CAS name: Ethanol

##### GHS Classification:



Flam. Liq. 2 H225

##### Isobutane

Concentration [Weight percent] 77.11  
CAS-No.: 75-28-5  
CAS name: Propane, 2-methyl-

##### GHS Classification:



Press. Gas Liquef. Gas H280  
Flam. Gas 1 H220

#### contains

##### Talcum

Concentration [Weight percent] 8.4  
CAS-No.: 14807-96-6  
CAS name: Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 4. FIRST AID MEASURES

#### Description of first aid measures

**General advice:** No hazards which require special first aid measures.

**If inhaled:** If symptoms persist, call a physician.

**In case of skin contact:** If skin irritation persists, call a physician.

**In case of eye contact:** Rinse with water. If eye irritation persists, consult a specialist.



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**If swallowed:** Not an expected entry route.

**Most important acute symptoms/effects**

**Indication of any immediate medical attention and special treatment needed**

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#### 5. FIREFIGHTING MEASURES

**Extinguishing media**

**Suitable extinguishing media:** Any

**Special hazards arising from the substance or mixture**

**Specific hazards during firefighting:** Fire may cause evolution of: Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Advice for firefighters**

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Use adequate ventilation. Keep people away from and upwind of spill/leak.

**Environmental precautions**

**Methods and materials for containment and cleaning up**

**Methods for cleaning up:** Suppress (knock down) gases/vapours/mists with a water spray jet. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Place in closed containers. Label for proper disposal.

**Reference to other sections**

**Additional advice:** Keep away from/remove sources of ignition.

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#### 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling:**

Use adequate ventilation.

Take measures to prevent the build up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition.

**Conditions for safe storage, including any incompatibilities**



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### Specific end use(s)

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

| Components | CAS-No.    | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|------------|------------|----------------------------------|---|-----------|
| Isobutane  | 75-28-5    | TWA                              | 800 ppm<br>1,900 mg/m <sup>3</sup>                | NIOSH REL |
|            |            | STEL                             | 1,000 ppm   | ACGIH     |
| Ethanol    | 64-17-5    | STEL                             | 1,000 ppm   | ACGIH     |
|            |            | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | NIOSH REL |
|            |            | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | OSHA Z-1  |
|            |            | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | OSHA P0   |
| Talcum     | 14807-96-6 | TWA (Dust)                       | 20 Million<br>particles per cubic<br>foot         | OSHA Z-3  |
|            |            | TWA<br>(Respirable)              | 2 mg/m <sup>3</sup>                               | NIOSH REL |
|            |            | TWA<br>(Respirable<br>fraction)  | 2 mg/m <sup>3</sup>                               | ACGIH     |

### Personal protective equipment

- Respiratory protection : Recommended Filter type:  
HEPA  
  
None required for consumer use of this product.
- Hand protection  
Material : Chemically resistant gloves.
- Remarks : None required for consumer use of this product.
- Eye protection : Safety glasses  
None required for consumer use of this product.
- Protective measures : Wear suitable protective equipment.  
Please consult label for end-user requirements.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties



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|   |   |
|---|---|
| Form:                                       | aerosol   |
| Colour:                                     | white   |
| Odour:                                      | characteristic  |
| Melting point/range:                        | No statements available.  |
| Boiling point/boiling range:                | No statements available.  |
| Density:                                    | No statements available.  |
| Bulk density:                               | No statements available.  |
| Vapour pressure:                            | No statements available.  |
| Viscosity, dynamic:                         | No statements available.  |
| Viscosity, kinematic:                       | No statements available.  |
| Flow time:                                  | No statements available.  |
| Surface tension:                            | No statements available.  |
| Water solubility:                           | No statements available.  |
| Solubility(ies):                            | No statements available.  |
| pH:   | No statements available.  |
| Corrosive to metal:                         | No statements available.  |
| Partition coefficient<br>(n-octanol/water): | Ethanol<br>log Pow: -0.320  |
| Flash point:                                | -84.4 °C  |
| Inflammability (solid, gaseous):            | No statements available.  |
| Explosion limits:                           | Ethanol<br>upper: 15 %(V) lower: 3.5 %(V)<br>Isobutane<br>upper: 9.4 %(V) 231 mg/m <sup>3</sup> lower: 1.5<br>%(V) 37 mg/m <sup>3</sup> |

#### Other information

Miscibility with water: No statements available.

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## 10. STABILITY AND REACTIVITY

#### Reactivity

No statements available.

#### Reactions with water / air:

No statements available.

#### Ignition temperature:

##### Ethanol

425 °C

##### Isobutane

460 °C DIN 51794

#### Burning number:

No statements available.



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#### Chemical stability

**Thermal decomposition:**

No data available

**Dust explosion characteristic number:**

No statements available.

**Dust explosion class:**

Not applicable

**Impact sensitivity:**

No data available

**Hazardous reactions:**

No data available

**Explosive properties:**

No statements available.

#### Possibility of hazardous reactions

**deflagration ability:**

No statements available.

**Smoldering combustion:**

No statements available.

**Conditions to avoid**

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50 °C).

**Minimum ignition energy:**

No data available

**Oxidizing properties:**

No statements available.

#### Incompatible materials

**Materials to avoid:**

Oxidizing agents

**Hazardous decomposition products**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

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## 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

**Components:****Ethanol:**

Acute oral toxicity : LD50 (Rat): 10,470 mg/kg  
Method: OECD 401  
Assessment: No adverse effect has been observed in acute



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toxicity tests.

- Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l, ca. 65360 ppm  
Exposure time: 4 h  
Method: OECD 403  
Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : LD50 (Rabbit): 15,800 mg/kg  
Assessment: No adverse effect has been observed in acute toxicity tests.

### Skin corrosion/irritation

#### Components:

##### Ethanol:

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

### Serious eye damage/eye irritation

#### Components:

##### Ethanol:

Species: Rabbit  
Result: Eye irritation  
Method: OECD 405

### Respiratory or skin sensitisation

#### Components:

##### Ethanol:

Test Type: Skin sensitisation  
Species: Guinea pig  
Method: Local lymph node test (LLNA)  
Result: Does not cause skin sensitisation.

Assessment: An acute toxic effect is not expected.

### Germ cell mutagenicity

#### Components:

##### Ethanol:

- Genotoxicity in vitro : Test Type: Ames test  
Species: Salmonella typhimurium  
Method: OECD 471  
Result: negative
- : Test Type: Mouse lymphoma assay  
Method: OECD 476



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Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration test in vivo  
Species: Mouse  
Method: OECD 478  
Result: ambiguous

Test Type: Micronucleus test  
Species: Mouse  
Method: OECD 474  
Result: negative

### Carcinogenicity

#### IARC

Group 1: Carcinogenic to humans

Ethanol 64-17-5

#### OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Components:

#### Ethanol:

Repeated dose toxicity - Assessment : An acute toxic effect is not expected.

### Further information

#### Components:

#### Ethanol:

Remarks: Breathing of the fumes may lead to narcotic symptoms.

Remarks: **If inhaled:**

**headaches**

**Vomiting**

**Nausea**

Remarks: **After absorption of large quantities**

**hypotension**

**coma**

**Unconsciousness**

**respiratory paralysis**





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### Ecotoxicity

#### Components:

##### Ethanol:

- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 8,140 mg/l  
Exposure time: 48 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 9,268 - 14,221 mg/l
- Toxicity to algae : Toxic limit concentration (Scenedesmus quadricauda (Green algae)): 5,000 mg/l
- Toxicity to bacteria : Toxic limit concentration (Pseudomonas putida): 6,500 mg/l

### Ecotoxicology Assessment

- Acute aquatic toxicity : slightly water endangering

### Persistence and degradability

#### Components:

##### Ethanol:

- Biodegradability : Result: rapidly biodegradable

### Bioaccumulative potential

#### Components:

##### Ethanol:

- Bioaccumulation : Remarks: Bioaccumulation is unlikely.
- Partition coefficient: n-octanol/water : log Pow: -0.320

### Mobility in soil

No data available

### Other adverse effects

#### Product:

- Additional ecological information : Do not allow to enter surface waters or groundwater.

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

- Waste from residues : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic.



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However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

14. TRANSPORT INFORMATION

Please note that limited quantities, consumer commodity regulations or other exemptions may apply.

**Land transport (CFR)**

Proper shipping name: CONSUMER COMMODITY  
Hazard Class or Division: 9  
ID Number 8000  
Packaging group None  
Hazard Label(s): Class 9

**Sea transport (IMDG)**

UN Number 1950  
Description of the goods AEROSOLS  
Class 2.1  
IMDG-Labels 2.1  
Marine pollutant no

**Air transport (IATA)**

UN Number 1950  
Description of the goods AEROSOLS, FLAMMABLE  
Class 2.1  
Dangerous goods labels 2.1  
Environmentally hazardous no

15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Fire Hazard  
Chronic Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



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**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

#### Massachusetts Right To Know

|           |            |           |
|-----------|------------|-----------|
| Isobutane | 75-28-5    | 70 - 90 % |
| Ethanol   | 64-17-5    | 10 - 20 % |
| Talcum    | 14807-96-6 | 5 - 10 %  |

#### Pennsylvania Right To Know

|           |            |           |
|-----------|------------|-----------|
| Isobutane | 75-28-5    | 70 - 90 % |
| Ethanol   | 64-17-5    | 10 - 20 % |
| Talcum    | 14807-96-6 | 5 - 10 %  |

#### New Jersey Right To Know

|           |            |           |
|-----------|------------|-----------|
| Isobutane | 75-28-5    | 70 - 90 % |
| Ethanol   | 64-17-5    | 10 - 20 % |
| Talcum    | 14807-96-6 | 5 - 10 %  |

#### New York City Hazardous Substances

|                            |          |           |
|----------------------------|----------|-----------|
| Isobutane                  | 75-28-5  | 70 - 90 % |
| Ethanol                    | 64-17-5  | 10 - 20 % |
| 2,6-Di-tert-butyl-p-cresol | 128-37-0 | 0 - 0.1 % |

**California Prop. 65** WARNING! This product contains a chemical known to the State of California to cause cancer.

|         |         |
|---------|---------|
| Ethanol | 64-17-5 |
|---------|---------|

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

|         |         |
|---------|---------|
| Ethanol | 64-17-5 |
|---------|---------|

#### California List of Hazardous Substances

|        |            |
|--------|------------|
| Talcum | 14807-96-6 |
|--------|------------|

#### California Permissible Exposure Limits for Chemical Contaminants

|         |            |
|---------|------------|
| Ethanol | 64-17-5    |
| Talcum  | 14807-96-6 |

#### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## 16. OTHER INFORMATION

### Full text of H-Statements mentioned in chapters 2 and 3

|      |   |
|------|---|
| H220 | Extremely flammable gas.                            |
| H222 | Extremely flammable aerosol.                        |
| H225 | Highly flammable liquid and vapour.                 |
| H280 | Contains gas under pressure; may explode if heated. |



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#### Further information

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.