



# SAFETY DATA SHEET

Issue Date No data available

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Version 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Name **Citrus Strike Pro Gel**  
SDS# SSC1210

Contains 2-butoxyethanol, Orange Terpenes

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Spot Remover  
Uses advised against No Information available

### 1.3. Details of the supplier of the safety data sheet

Harvard Chemical, LLC  
3595 Zip Industrial Blvd. SE  
Atlanta, GA 30354  
404-761-0657

For further information, please contact

### 1.4. Emergency telephone number

Emergency Telephone 800-255-3924

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

### 2.2. Label elements

#### Product identifier

Contains 2-butoxyethanol, Orange Terpenes



Signal word  
Warning

Hazard statements

H302 - Harmful if swallowed  
 H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H319 - Causes serious eye irritation  
 H410 - Very toxic to aquatic life with long lasting effects

#### Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection  
 P321 - Specific treatment (see .section 4 on this SDS)

#### 2.3. Other hazards

No Information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Orange Terpenes	227-813-5	5989-27-5	30-60	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)	No data available
2-butoxyethanol	203-905-0	111-76-2	10-30	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

<b>General advice</b>	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors.
<b>Skin Contact</b>	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

**Self-protection of the first aider** Use personal protective equipment as required.

#### **4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization of susceptible persons. Treat symptomatically.

### **Section 5: FIRE FIGHTING MEASURES**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable extinguishing media**

No Information available

#### **5.2. Special hazards arising from the substance or mixture**

In the event of fire and/or explosion do not breathe fumes May cause sensitization by inhalation and skin contact Thermal decomposition can lead to release of irritating and toxic gases and vapors

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **Personal precautions**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

##### **For emergency responders**

Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

#### **6.3. Methods and material for containment and cleaning up**

##### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

##### **Methods for cleaning up**

Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up.

#### **6.4. Reference to other sections**

See Section 12: ECOLOGICAL INFORMATION.

### **Section 7: HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**

**Advice on safe handling**

Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation.

**General Hygiene**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

**7.2. Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**7.3. Specific end use(s)****Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Orange Terpenes 5989-27-5	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m <sup>3</sup> Skin
2-butoxyethanol 111-76-2	S* TWA 20 ppm TWA 98 mg/m <sup>3</sup> STEL 50 ppm STEL 246 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 25 ppm TWA: 123 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 49 mg/m <sup>3</sup> STEL: 50 ppm STEL: 246 mg/m <sup>3</sup>	S* STEL: 50 ppm STEL: 245 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 49 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 98 mg/m <sup>3</sup> Skin
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Orange Terpenes 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	-
2-butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> Skin	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	Skin STEL: 246 mg/m <sup>3</sup> TWA: 100 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> STEL: 50 ppm STEL: 250 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> Skin
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Orange Terpenes 5989-27-5	-	STEL: 14 ppm STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	-
2-butoxyethanol 111-76-2	Skin STEL 40 ppm STEL 200 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	Skin STEL: 20 ppm STEL: 98 mg/m <sup>3</sup> TWA: 10 ppm TWA: 49 mg/m <sup>3</sup>	STEL: 200 mg/m <sup>3</sup> TWA: 98 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> Skin STEL: 15 ppm STEL: 75 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> Skin
Chemical Name	European Union	United Kingdom	France	Spain	Germany
2-butoxyethanol 111-76-2	-	240	-	200	100 mg/L 150 mg/L

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
2-butoxyethanol 111-76-2	-	100 200	-	-	-

**Derived No Effect Level (DNEL)** No Information available

**Predicted No Effect Concentration (PNEC)** No Information available.

## 8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### **Personal protective equipment**

**Eye/face protection** Tight sealing safety goggles. Face protection shield.

**Skin and body protection** Suitable protective clothing. Suitable protective clothing. Apron. Gloves made of plastic or rubber.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Orange
<b>Appearance</b>	Clear	<b>Odor threshold</b>	No Information available
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6	No Information available
<b>Melting point/freezing point</b>		No Information available
<b>Boiling point / boiling range</b>		No Information available
<b>Flash point</b>		No Information available
<b>Evaporation rate</b>		No Information available
<b>Flammability (solid, gas)</b>		No Information available
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit:</b>		No Information available
<b>Lower flammability limit:</b>		No Information available
<b>Vapor pressure</b>		No Information available
<b>Vapor density</b>		No Information available
<b>Specific Gravity</b>		No Information available
<b>Water solubility</b>		No Information available
<b>Solubility(ies)</b>		No Information available
<b>Partition coefficient</b>		No Information available
<b>Autoignition temperature</b>		No Information available
<b>Decomposition temperature</b>		No Information available
<b>Kinematic viscosity</b>		No Information available
<b>Viscosity</b>		No Information available
<b>Explosive properties</b>	No Information available	
<b>Oxidizing properties</b>	No Information available	

### 9.2. Other information

<b>Softening point</b>	No Information available
<b>Molecular weight</b>	No Information available
<b>VOC Content (%)</b>	No Information available
<b>Density Lbs/Gal</b>	No Information available
<b>Bulk density</b>	No Information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

### 10.3. Possibility of hazardous reactions

#### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

No Information available.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Acute toxicity**

#### **Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation** No data available. Avoid breathing vapors or mists.

**Eye contact** Irritating to eyes. Avoid contact with eyes.

**Skin Contact** Irritating to skin. Avoid contact with skin.

**Ingestion** No data available. Not an expected route of exposure. Do not taste or swallow.

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

**The following values are calculated based on chapter 3.1 of the GHS document**

**ATEmix (oral)** 1,779.00 mg/kg

**ATEmix (dermal)** 2,868.00 mg/kg

**ATEmix (inhalation-dust/mist)** 7.50 mg/l

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Orange Terpenes	= 4400 mg/kg ( Rat ) = 5200 mg/kg ( Rat ) = 5300 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	
2-butoxyethanol	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 486 ppm ( Rat ) 4 h = 450 ppm ( Rat ) 4 h

**Skin corrosion/irritation** No Information available.

**Serious eye damage/eye irritation** No Information available.

**Sensitization** No Information available.

**Germ cell mutagenicity** No Information available.

<b>Carcinogenicity</b>	No Information available.
<b>Reproductive toxicity</b>	No Information available.
<b>STOT - single exposure</b>	No Information available.
<b>STOT - repeated exposure</b>	No Information available.
<b>Target organ effects</b>	Blood, Central nervous system, EYES, hematopoietic system, Kidney, Liver, Respiratory system, Skin.
<b>Aspiration hazard</b>	No Information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Orange Terpenes	-	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	-
2-butoxyethanol	-	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50

### 12.2. Persistence and degradability

No Information available.

### 12.3. Bioaccumulative potential

No Information available.

Chemical Name	Partition coefficient
2-butoxyethanol	0.81

### 12.4. Mobility in soil

#### **Mobility in soil**

No Information available.

### 12.5. Results of PBT and vPvB assessment

No Information available.

### 12.6. Other adverse effects

No Information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### **Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Improper disposal or reuse of this container may be dangerous and illegal.

**Other Information**

Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

**IMDG**

14.1 UN/ID No.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine pollutant	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No Information available

**RID**

14.1 UN/ID No.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	None

**ADR**

14.1 UN/ID No.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	None

**ICAO (air)**

14.1 UN/ID No.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	None

**IATA**

14.1 UN/ID No.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	None

## Section 15: REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical Name	French RG number	Title
Orange Terpenes 5989-27-5	RG 84 RG 5,RG 14,RG 15,RG 15bis,RG 20bis RG 20,RG 20bis,RG 26,RG	-

	34, RG 65	
2-butoxyethanol 111-76-2	RG 84	-

Water hazard class (WGK)

WGK Classification (VwVwS) Does not comply

### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

### Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

### 15.2. Chemical safety assessment

No Information available

## Section 16: OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3

- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H332 - Harmful if inhaled
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H317 - May cause an allergic skin reaction
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H226 - Flammable liquid and vapor

**Revision Date** 18-Apr-2019

**Revision Note** Not Applicable.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**