

## SAFETY DATA SHEET

122000012961

**Solarcaine Aloe Vera Aerosol**

Version 2.0

Revision Date 03/17/2016

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

**Product Name:** Solarcaine Aloe Vera Aerosol  
**Synonyms:** Solarcaine Aloe Extra Burn Relief Aerosol  
Solarcaine Cool Aloe Burn Relief Spray  
**SDS Number:** 122000012961

**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

**2. HAZARDS IDENTIFICATION****Emergency Overview**

**Colour:** colourless **Form:** aerosol **Odour:** characteristic.

**GHS Classification:**

**Flammable aerosols** : Category 1

**GHS Label element:**

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

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**Precautionary statements** : P102 Keep out of reach of children.  
**Prevention:**  
P210 Keep away from 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.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification:

None known.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
8%	Propane	74-98-6
12%	Isobutane	75-28-5

Other Ingredients Weight percent	Components	CAS-No.
1.2%	Propane-1,2-diol	57-55-6
0.4%	Lidocain	137-58-6
1.2%	Glycerol	56-81-5

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### 4. 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.

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

**Contact Number:** Use the Bayer Emergency Number in Section 1

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### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Any

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

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

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

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### 6. ACCIDENTAL RELEASE MEASURES

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

**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.

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

**Further Accidental Release Notes**      Keep away from/remove sources of ignition.

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### 7. HANDLING AND STORAGE

**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.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Propane-1,2-diol (57-55-6)**

US. OARS. WEELs Workplace Environmental Exposure Level Guide  
Time Weighted Average (TWA): 10 mg/m<sup>3</sup> (Aerosol.)

**Glycerol (56-81-5)**

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)  
Permissible exposure limit: 5 mg/m<sup>3</sup> (Respirable fraction.)

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US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)  
Permissible exposure limit: 15 mg/m<sup>3</sup> (Total dust.)

### Respiratory protection:

Recommended Filter type: HEPA

None required for consumer use of this product.

### Hand protection:

Chemically resistant gloves.

None required for consumer use of this product.

### Eye protection:

Safety glasses

None required for consumer use of this product.

### Other protective measures:

Wear suitable protective equipment.

Please consult label for end-user requirements.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	aerosol
Colour:	colourless
Odour:	characteristic
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available
Density:	No applicable information is available
Bulk density:	No applicable information is available
Vapour pressure:	3,108 hPa
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	No applicable information is available
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	No applicable information is available
pH:	No applicable information is available
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	-119.92 °F (-84.4 °C)
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	upper: 8.44 %(V) / lower: 1.8 %(V)

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## 10. STABILITY AND REACTIVITY

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

**Materials to avoid:** Oxidizing agents

**Hazardous reactions:** No data available

**Thermal decomposition:**

No data available

**Hazardous decomposition products:**

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

**Auto-flammability:** 543.3 °C

**Oxidizing properties:**

No statements available.

**Impact sensitivity:**

No data available

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## 11. TOXICOLOGICAL INFORMATION

**Other information on toxicity:**

Glycerol

Inhalation of vapors causes irritation of the respiratory tract.

Ingestion of large quantities: Vomiting, Abdominal pain, headaches, Dizziness, Diarrhoea, Cyanosis

**Acute oral toxicity:**

Glycerol

LD50 Rat: > 20,000 mg/kg

No adverse effect has been observed in acute toxicity tests.

Propane-1,2-diol

LD50 Rat: 22,000 mg/kg

No adverse effect has been observed in acute toxicity tests.

Propane

No adverse effect has been observed in acute toxicity tests.

Lidocaine

LD50 Rat: 317 mg/kg

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**Acute inhalation toxicity:**

Glycerol

LC50 Rat, male: &gt; 2.75 mg/l, 4 h

No adverse effect has been observed in acute toxicity tests.

Method: Calculation method

Propane-1,2-diol

LC50 Rabbit: &gt; 317 mg/l, 2 h

No adverse effect has been observed in acute toxicity tests.

Propane

No adverse effect has been observed in acute toxicity tests.

**Acute dermal toxicity:**

Glycerol

LD50 Rabbit: &gt; 18,700 mg/kg

No adverse effect has been observed in acute toxicity tests.

Propane-1,2-diol

LD50 Rabbit: &gt; 5,000 mg/kg

No adverse effect has been observed in acute toxicity tests.

Propane

No adverse effect has been observed in acute toxicity tests.

**Skin irritation:**

Glycerol

Rabbit

Result: No skin irritation

Propane-1,2-diol

Rabbit

Result: No skin irritation

Propane

Rapid evaporation of the liquid may cause frostbite.

**Eye irritation:**

Glycerol

Rabbit

Result: No eye irritation

Propane-1,2-diol

Rabbit

Result: No eye irritation

Propane

Rapid evaporation of the liquid may cause frostbite.

**Sensitisation:**

Glycerol

Patch test on human volunteers did not demonstrate sensitisation properties.

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Propane-1,2-diol

Human experience

Result: Does not cause skin sensitisation.

guinea pig

Result: Does not cause skin sensitisation.

Method: OECD 406

**Subacute, subchronic and prolonged toxicity:**

Propane-1,2-diol

NOEL 50,000 mg/kg, Rat Oral, Exposure time 24 month

NOEL 1 mg/l, Rat Inhalation, Exposure time 3 month

Number of exposures: Once daily

**Genotoxicity in vitro:**

Glycerol

Ames test

Result: Negative.

Propane-1,2-diol

Ames test Bacteria

Dose: yes

Result: Negative.

Method: OECD 471

Mammalian cells

Result: Negative.

Method: OECD 476

**Genotoxicity in vivo:**

Propane-1,2-diol

Result: Negative.

Method: OECD 478

**Carcinogenicity:**

Propane-1,2-diol

Rat:

Exposure time: 2 a

Number of exposures: Once daily

Result: Negative.

**Reproductive toxicity:**

Propane-1,2-diol

Application Route: Oral

Rat, female: Test period: 18 d

NOAEL: 1600 mg/kg

Result: Animal testing did not show any effects on fertility.

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**Teratogenicity:**

Propane-1,2-diol

Rat, male: Number of exposures: Once daily

Test period: 15 d

NOAEL: 1600 mg/l

Result: No indication of teratogenic effects.

**Pharmaceutic effects:**

Lidocain

Local anesthetic

**Carcinogenicity:**

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

**STOT - single exposure:**

No data available

**STOT - repeated exposure:**

No data available

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**12. ECOLOGICAL INFORMATION**

**General advice:**

Do not allow to enter surface waters or groundwater.

**Toxicity to fish:**

Glycerol

Acute Fish toxicity: LC100 51,000 - 57,000 mg/l

Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Acute Fish toxicity: LC50 > 44,000 mg/l

Test species: Pimephales promelas (fathead minnow) Duration of test: 96 h

Propane-1,2-diol

Acute Fish toxicity: LC50 40,613 mg/l

Test species: Pimephales promelas (fathead minnow) Duration of test: 96 h

**Toxicity to daphnia and other aquatic invertebrates:**

Glycerol

EC50 > 10,000 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 24 h

EC0 > 500 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 24 h

Propane-1,2-diol

LC50 18,340 mg/l

Test species: Ceriodaphnia dubia (water flea) Duration of test: 48 h

**Toxicity to algae:**

Glycerol

IC5 > 10,000 mg/l

tested on: Scenedesmus quadricauda (Green algae) Duration of test: 7 d



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Propane-1,2-diol  
IC50 19,100 mg/l  
tested on: Pseudokirchneriella subcapitata (green algae)

**Toxicity to bacteria:**

Glycerol  
EC5 > 10,000 mg/l  
tested on: Pseudomonas putida  
Duration of test: 16 h

EC5 3,200 mg/l  
tested on: Protozoa  
Duration of test: 72 h

Propane-1,2-diol  
NOEC 20,000 mg/l  
tested on: Pseudomonas putida  
Duration of test: 18 h

**Biodegradability:**

Glycerol  
63 %, 14 d rapidly biodegradable  
Method: OECD 301 C

Propane-1,2-diol  
87 - 92 %, 28 d rapidly biodegradable  
Method: OECD 301 C

**Bioaccumulation:**

Glycerol

Bioaccumulation is unlikely.

Propane-1,2-diol

Bioconcentration factor (BCF)  
0.09

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### 13. DISPOSAL CONSIDERATIONS

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. 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)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

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### 14. TRANSPORT INFORMATION

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

#### Land transport (CFR)

Proper shipping name: AEROSOLS  
Hazard Class or Division: 2.1  
UN/NA Number: UN  
Packaging group: None  
Hazard Label(s): Flammable Gas

#### US Sea transport (IMDG)

Proper shipping name: AEROSOLS  
Hazard Class or Division: 2.1  
UN number: UN  
Packaging group: None  
Hazard Label(s): FLAMMABLE GASES

#### US Air transport (ICAO / IATA cargo aircraft only)

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

#### US Air transport (ICAO / IATA passenger and cargo aircraft)

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

#### International IATA

ID Number: 8000  
Description of the goods: CONSUMER COMMODITY  
Class: 9  
Dangerous goods labels: 9  
Environmentally hazardous: no

#### International IMDG

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

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### 15. REGULATORY INFORMATION

Other regulations: No statements available.

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**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)****Components**

None

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required****Components**

None

**US. EPA CERCLA Hazardous Substances (40 CFR 302)Components**

None

**Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
1 - 5%	Glycerol	56-81-5
1 - 5%	Propane-1,2-diol	57-55-6

**California Prop. 65**

**To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.**

**OSHA Hazcom Standard Rating**Hazardous

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**16. OTHER INFORMATION****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.