



SAFETY DATA SHEET

Solarcaine® First Aid Spray

Version 1.0

Revision Date 06/07/2017

122000014270
Print Date 06/08/2017

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

Product information

Product Name: Solarcaine® First Aid Spray
Synonyms: Solarcaine® Aerosol
SDS Number: 122000014270

Use : Consumers

Company

Bayer Inc.
2920 Matheson Boulevard East
Mississauga, ON L4W 5R6
CANADA
(800) 622-2937

In case of emergency: Chemtrec: (800) 424-9300
CANUTEC: (613) 996-6666

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to national GHS implementation:

Flammable aerosols, Category 1 (H222)
Eye irritation, Category 2A (H319)
Skin sensitisation, Category 1 (H317)

Label elements

Labelling according to national GHS implementation:



Danger

Hazard statements:

H222 Extremely flammable aerosol.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.



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P272 Contaminated work clothing should not be allowed out of the workplace.

Hazardous components which must be listed on the label:

Components:	CAS-No.
Benzocaine	94-09-7

Other hazards

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Hazardous components

Isobutane

Concentration [Weight percent] ≥ 50 - < 70
CAS-No.: 75-28-5
CAS name: Propane, 2-methyl-

GHS Classification:



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

Ethanol

Concentration [Weight percent] ≥ 30 - < 50
CAS-No.: 64-17-5
CAS name: Ethanol

GHS Classification:



Flam. Liq. 2 H225
Eye Irrit. 2A H319

Benzocaine

Concentration [Weight percent] ≥ 1 - < 5
CAS-No.: 94-09-7
CAS name: Benzoic acid, 4-amino-, ethyl ester

GHS Classification:



Skin Sens. 1 H317

contains

Propane-1,2-diol

Concentration [Weight percent] 7
CAS-No.: 57-55-6
CAS name: 1,2-Propanediol (8CI, 9CI)



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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.

If swallowed: Not an expected entry route.

Most important acute symptoms/effects

Indication of any immediate medical attention and special treatment needed

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 (CO₂)

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.

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.



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Reference to other sections

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

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

Specific end use(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Isobutane	75-28-5	TWA	1,000 ppm	CA AB OEL
		TWA	1,000 ppm	CA BC OEL
		TWA	800 ppm	CA ON OEL
Ethanol	64-17-5	TWA	1,000 ppm 1,880 mg/m ³	CA AB OEL
		STEL	1,000 ppm	CA BC OEL
		TWAEV	1,000 ppm 1,880 mg/m ³	CA QC OEL
Propane-1,2-diol	57-55-6	TWA (Vapour and aerosols)	50 ppm 155 mg/m ³	CA ON OEL
		TWA (aerosol)	10 mg/m ³	CA ON OEL

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



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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

Form:	aerosol
Colour:	colourless
Odour:	characteristic
Melting point/range:	No statements available.
:	-11.7 °C
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 (n-octanol/water):	Ethanol log Pow: -0.320 Benzocaine log Pow: 1.86
Flash point:	-84.4 °C at 1,013 hPa
Inflammability (solid, gaseous):	No statements available.
Explosion limits:	Isobutane upper: 9.4 %(V) 231 mg/m ³ lower: 1.5 %(V) 37 mg/m ³ Ethanol upper: 15 %(V) lower: 3.5 %(V)

Other information

Miscibility with water: No statements available.

10. STABILITY AND REACTIVITY

Reactivity

No statements available.

Reactions with water / air:



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No statements available.

Ignition temperature:

Isobutane

460 °C DIN 51794

Ethanol

425 °C

Burning number:

No statements available.

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 (CO₂)



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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 toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): 15,800 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

Benzocaine:

Acute oral toxicity : LD50 (Rat): 3,042 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

Skin corrosion/irritation

Components:

Ethanol:

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

Benzocaine:

Species: Guinea pig
Exposure time: 48 h
Method: Draize Test
Result: Mild skin irritation
Test substance: 3% solution

Species: Human experience
Method: Draize Test
Result: Severe skin irritation
Test substance: 1% solution

Serious eye damage/eye irritation

Components:

Ethanol:

Species: Rabbit
Result: Eye irritation
Method: OECD 405



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Respiratory or skin sensitisation

Components:

Isobutane:

Assessment: An acute toxic effect is not expected.

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.

Benzocaine:

Remarks: Skin sensitizing potential;

Assessment: May cause an allergic skin reaction.

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
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

Benzocaine:

Genotoxicity in vitro : Test Type: Ames test
Result: No indication of mutagenic effects.

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Application Route: Oral
Result: No evidence of a genotoxic effect.



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Components:

Isobutane:

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

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:**

Headache
Vomiting
Nausea

Remarks: **After absorption of large quantities**
hypotension
Coma
Unconsciousness
respiratory paralysis

Benzocaine:

Remarks: **After absorption**
Risk of methemoglobinemia

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Isobutane:

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Ethanol:

Toxicity to bacteria : Toxic limit concentration (Pseudomonas putida): 6,500 mg/l

Ecotoxicology Assessment

Acute aquatic toxicity : slightly water endangering



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Benzocaine:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 7.2 mg/l
Exposure time: 96 h

Toxicity to fish (Chronic toxicity) : (Lepomis macrochirus (Bluegill sunfish)): 17 mg/l
Exposure time: 4 d

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

Benzocaine:

Partition coefficient: n-octanol/water : log Pow: 1.86

Mobility in soil

No data available

Other adverse effects

Product:

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

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.

However, under RCRA, it is the responsibility of the product



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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.

14. TRANSPORT INFORMATION

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

Land transport TDG

UN Number	1950
Description of the goods	AEROSOLS
Class	2.1
Dangerous goods labels	2.1
Marine pollutant	no

15. REGULATORY INFORMATION

The components of this product are reported in the following inventories:

DSL	This product contains the following components that are not on the Canadian DSL nor NDSL. Diisopropyl adipate triclosan
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Canadian lists

No substances are subject to a Significant New Activity Notification.

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.



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H280 Contains gas under pressure; may explode if heated.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Further information

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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.