



1	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier: SPF50SPY55
Product Description: Sunscreen SPF 50 Continuous Spray (LP-335-189-1) Aerosol
Product Use: Sunscreen - Personal Care Product For External Use Only

Details of the Supplier of this Safety Data Sheet
 Klein Tools, Inc.
 450 Bond St. Lincolnshire, IL 60069 USA
 www.kleintools.com
 1-800-553-4673

Emergency Telephone Numbers
 USA: 1-800-535-5053
 International: 1-352-323-3500

2	HAZARDS IDENTIFICATION
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This product is a cosmetic regulated by the U.S. Food and Drug Administration (FDA) intended for personal consumption by employees while in the workplace. Therefore, it is exempt from the requirements of the Hazard Communication Standard per 29 CFR 1910.1200(b)(6)(viii). The hazards indicated below, and information in the following sections, apply to the propellant/cannister as well as the bulk formulation of the mixture handled in the workplace.

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 2
 Physical, Gases Under Pressure, Compressed Gas
 Health, Serious Eye Damage/Eye Irritation, 2 A Environmental,
 Hazards to the aquatic environment - Acute, 2 Environmental,
 Hazards to the aquatic environment - Chronic, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H223 - Flammable aerosol
 H280 - Contains gas under pressure; may explode if heated
 H319 - Causes serious eye irritation
 H401 - Toxic to aquatic life
 H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces.
 P211 - Do not spray on an open flame or other ignition source.
 P251 - Do not pierce or burn, even after use.
 P264 - Wash hands thoroughly after handling. Do not touch eyes.
 P273 - Avoid release to the environment.
 P280 - Wear eye protection.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical advice/attention.
 P391 - Collect spillage.
 P403 - Store in a well-ventilated place.
 P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 - Dispose of contents/container to an approved waste disposal plant.



3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients

CAS#	%	Chemical Name
64-17-5	67-69%	SD Alcohol 40-B (Alcohol, denat.)
118-56-9	8-10%	Homosalate
118-60-5	4-5%	Octisalate
6197-30-4	3-5%	Octocrylene
70356-09-1	2-4%	Avobenzene
37332-31-3	0.2-0.8%	Caprylic/Capric Triglyceride
7727-37-9	0.01-0.1%	Nitrogen, compressed

4 FIRST AID MEASURES

- Inhalation:** If affected, remove to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Wash with soap and water for 15 minutes. Remove contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions consult a physician.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
- Ingestion:** Rinse mouth with water. Consult physician immediately.

5 FIRE FIGHTING MEASURES

Dry powder, foam, carbon dioxide.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use of water spray when fighting fire may be inefficient. Do not scatter spilled material with high pressure water streams.
DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.
Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated. Ruptured cylinders may rocket.
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Waste Disposal Method

Empty aerosol cans should not be punctured or incinerated. Dispose of in accordance with local, state and federal rules for universal waste.

7	HANDLING AND STORAGE
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Handling Precautions: Use personal protection equipment. Keep away from sources of ignition. Do not expose containers to excessive heat or direct sunlight. Do not cut, puncture or weld containers. Contents under pressure. Avoid breathing vapors or mist.

Storage Requirements: Protect from sunlight. Keep away from heat, sparks, and flames. Keep in an area equipped with sprinklers.
Store in accordance with local NFPA regulations. NFPA Code 30B Level 2 Aerosol

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls: Showers and Eyewash stations
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment: Skin protection: No special protective equipment required.

Respiratory protection: No special protective equipment required. If irritation is experienced, ventilation and evacuation may be required.

Eye/face protection: Safety glasses.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance: Clear Yellow Liquid Physical State: Aerosol Odor Threshold: No data available Particle Size: No data available Spec Grav./Density: 0.85 - 0.89 Viscosity: No data available Saturated Vapor Concentration: No data available Boiling Point: No data available Flammability: No data available Partition Coefficient: No data available Vapor Pressure: No data available pH: No data available Evap. Rate: No data available Molecular weight: No data available Decomp Temp: No data available	Odor: Slight Molecular Formula: No data available Solubility: Soluble Softening Point: No data available Percent Volatile: No data available Heat Value: No data available Freezing/Melting Pt.: No data available Flash Point: No data available Octanol: No data available Vapor Density: No data available VOC: N/A Bulk Density: No data available Auto-Ignition Temp: No data available UFL / LFL: No data available
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10	STABILITY AND REACTIVITY
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Reactivity: Not Reactive

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Avoid direct sunlight; Temperatures above 120 degrees F.

Materials to Avoid: None known based on information supplied.

Hazardous Decomposition: Carbon Oxides

Hazardous Polymerization: Will not occur.



11

TOXICOLOGICAL INFORMATION

SD Alcohol 40-B (Alcohol, denat.) cas#:(64-17-5) [67-69%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration:Other changes.

LC50 Inhalation - rat - 10 h - 20000 ppm

Serious eye damage/eye irritation: Eyes - rabbit Result: Mild eye irritation - 24 h (OECD Test Guideline 405)

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Additional Information: RTECS: KQ6300000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Homosalate cas#:(118-56-9) [8-10%]

Information on toxicological effects

Acute toxicity: no data available

Serious eye damage/eye irritation: Eyes - rabbit - Eye irritation - Draize Test

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Specific target organ toxicity - single exposure (Globally Harmonized System): Inhalation - May cause respiratory irritation.

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information: RTECS: Not available

12

ECOLOGICAL INFORMATION

Octisalate cas#:(118-60-5) [4-5%]

Information on ecological effects

Toxicity to fish: Danio rerio (zebra fish) LC50 (96 h) >= 82 mg/l (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates:

Daphnia magna (Water flea) EC50 (48 h) 10 mg/l (nominal concentration)

Daphnia magna (Water flea) EC10 (48 h) 1.7 mg/l (nominal concentration)

Persistence and degradability: Readily biodegradable. 89 % (28 d)

Bioaccumulative potential: Species: Fish - Temperature: 15 °C Bioconcentration factor (BCF): 123.7

Partition coefficient: noctanol/water: log Pow > 6 (40 °C , pH 7.71)

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: Toxic to aquatic organisms.

Octocrylene cas#:(6197-30-4) [3-5%]

Information on ecological effects

Toxicity to fish: Leuciscus idus (Golden orfe) LC50 (96 h) > 10,000 mg/l

Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Water flea) EC50 (48 h) > 100 mg/l

Toxicity to algae: Desmodesmus subspicatus (green algae) EC50 (72 h) > 220 mg/l

Desmodesmus subspicatus (green algae): ErC0 (72 h) 100 mg/l

Toxicity to bacteria: activated sludge EC50 > 10,000 mg/l

Persistence and degradability: Not readily biodegradable. 0 % (28 d)

Bioaccumulative potential: Species: Danio rerio (zebra fish) Exposure time: 28 d Bioconcentration factor (BCF): 915 Method: (OECD Test Guideline 305) The product may be accumulated in organisms.

Partition coefficient: noctanol/water: log Pow 6.1 (23 °C; OECD Test Guideline 117)

Mobility in soil: Adsorption/Soil log Koc 5.61 (calculated value)

PBT and vPvB assessment: no data available

Other adverse effects: May cause long-term adverse effects in the aquatic environment.



Avobenzone cas#:(70356-09-1) [2-4%]

Information on ecological effects

Toxicity to fish: Cyprinus carpio (Carp) LC50 (96 h) > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Water flea) EC50 (48 h) > 100 mg/l

Toxicity to algae: Scenedesmus capricornutum (fresh water algae) EC50 (72 h) > 100 mg/l

Toxicity to bacteria: activated sludge NOEC (3 h) >= 1,000 mg/l

Persistence and degradability: Not readily biodegradable - 4 %after 20 days

Bioaccumulative potential: Species: Oncorhynchus mykiss (rainbow trout) Elimination: yes

Mobility in soil: Adsorption/Soil ca.log Koc 4.65 (calculated value) immobile

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: May cause long-term adverse effects in the aquatic environment.

13

DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated Packaging: Do not reuse empty containers.

As of Feb 2020 EPA has now classified aerosols as Universal Waste.

14

TRANSPORT INFORMATION

UN1950, Aerosols, flammable, (each not exceeding 1 L capacity), 2.1

DOT Ground transport: Limited Quantity (LTD QTY)

Sea transport IMDG: UN1950, AEROSOLS, 2.1

Air Transport ICAO and IATA: UN1950, AEROSOLS, FLAMMABLE, 2.1

15

REGULATORY INFORMATION

All ingredients for this product are listed on the TSCA inventory.

SARA Title III chemicals: None

California Prop 65 chemicals: None

CERCLA reportable quantity: None

RCRA hazardous waste no: N/A

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

TSCA = Toxic Substances Control Act

IARC = International Agency for Research on Cancer

CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act (Superfund)

RCRA = Resource Conservation and Recovery Act

16

OTHER INFORMATION

The information in this Product SDS was obtained from sources which we believe are reliable. Klein Tools, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. In no event shall Klein Tools be liable for incidental or consequential damages. All risks associated with product use are assumed by the user.