

1	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier: SPF50LOT15, SPF50LOT8
Product Description: Sunscreen SPF 50 Lotion (FH1-126-194-02A)
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 not a hazardous chemical for purposes of the OSHA Hazard Communication Standard, 29 CFR 1910.1200. It 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 bulk formulation handled in the workplace.

Classification of the Substance or Mixture**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Serious Eye Damage/Eye Irritation, 2 A Environmental,
Hazards to the aquatic environment - Acute, 3 Environmental,
Hazards to the aquatic environment - Chronic, 4

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

**GHS Hazard Statements:**

H319 - Causes serious eye irritation
H402 - Harmful to aquatic life
H413 - May cause long lasting harmful effects to aquatic life

GHS Precautionary Statements:

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

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients

CAS#	%	Chemical Name
118-56-9	8-10%	Homosalate
6197-30-4	5-7%	Octocrylene
70356-09-1	2-4%	Avobenzene
112-92-5	1-2%	Stearyl alcohol
33892-18-1	0.2-0.8%	Methyl dihydroabietate
57-55-6	0.2-0.8%	Propylene glycol

4 FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Wash with soap and water. Get medical attention if needed.

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. Drink plenty of water.

5 FIRE FIGHTING MEASURES

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

Do not scatter spilled material with high pressure water streams.

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.

7 HANDLING AND STORAGE

Handling Precautions: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash clothing before reuse and decontaminate or discard contaminated shoes.

Storage Requirements: Keep containers tightly closed in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Smooth White	Odor:	Fatty
Physical State:	Liquid/Lotion	Molecular Formula:	No data available
Odor Threshold:	0	Solubility:	Soluble in water
Particle Size:	No data available	Softening Point:	No data available
Spec Grav./Density:	1.0 - 1.05	Percent Volatile:	No data available
Viscosity:	40,000 - 115,000 cP	Heat Value:	No data available
Saturated Vapor Concentration:	No data available	Freezing/Melting Pt.:	No data available
Boiling Point:	No data available	Flash Point:	No data available
Flammability:	No data available	Octanol:	No data available
Partition Coefficient:	No data available	Vapor Density:	No data available
Vapor Pressure:	No data available	VOC:	N/A
pH:	5.5 - 6.5	Bulk Density:	No data available
Evap. Rate:	No data available	Auto-Ignition Temp:	No data available
Molecular weight:	No data available	UFL / LFL:	No data available
Decomp Temp:	No data available		

10	STABILITY AND REACTIVITY
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Reactivity:	Not Reactive
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	None known based on information supplied.
Materials to Avoid:	None known based on information supplied.
Hazardous Decomposition:	Carbon Oxides
Hazardous Polymerization:	Will not occur.

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

Information on toxicological effects

Acute toxicity:

Oral LD50 Oral - rat - > 8,000 mg/kg

Dermal LD50 Dermal - rabbit - > 5,000 mg/kg

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

Propylene glycol cas#:(57-55-6) [0.2-0.8%]

Information on toxicological effects

Acute toxicity:

Oral LD50 Oral - rat - 20,000 mg/kg

Inhalation LC50 no data available

Dermal LD50 Dermal - rabbit - 20,800 mg/kg

LD50 Intramuscular - rat - 14 g/kg

LD50 Intravenous - dog - 26 g/kg; LD50 Intravenous - rat - 6,423 mg/kg

LD50 Intraperitoneal - rat - 6,660 mg/kg

LD50 Subcutaneous - rat - 22,500 mg/kg

LD50 Intraperitoneal - mouse - 9,718 mg/kg

Remarks: Lungs, Thorax, or Respiration: Chronic pulmonary edema. Kidney, Ureter, Bladder: Changes in both tubules and glomeruli. Blood: Changes in spleen.

LD50 Subcutaneous - mouse - 17,370 mg/kg

Remarks: Behavioral: Change in motor activity (specific assay). Behavioral: Muscle contraction or spasticity. Cyanosis

LD50 Intravenous - mouse - 6,630 mg/kg; LD50 Intravenous - rabbit - 6,500 mg/kg

Skin corrosion/irritation: Skin - Human - Mild skin irritation - 7 d

Serious eye damage/eye irritation: Eyes - rabbit - Mild eye irritation

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.

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

Signs and Symptoms of Exposure: Gastrointestinal disturbance, Nausea, Headache, Vomiting, Central nervous system depression

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

Additional Information: RTECS: TY2000000

12**ECOLOGICAL INFORMATION**

Octocrylene cas#:(6197-30-4) [5-7%]

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; 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.

Avobenzonone 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.



Stearyl alcohol cas#:(112-92-5) [1-2%]

Information on ecological effects

Toxicity to fish LC50 - Fish - > 100 mg/l - 96 h.
 NOEC - Species : Oncorhynchus mykiss (rainbow trout) > 0.4 mg/L - 96 h
 Persistence and degradability: Readily biodegradable - 95.5 % 28 d
 Bioaccumulative potential: Octanol-water partition coefficient : log Pow: 7.19
 PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
 Other adverse effects: Do not allow to run into surface waters, wastewater or soil.

Methyl Dihydroabietate cas#:(33892-18-1) [0.2-0.8%]

Information on ecological effects

Toxicity: Acute 96-hour LL50 (Fathead minnow) >1000 mg/l.
 Toxicity: Acute 48-hour EL50 (Daphnia magna) 27 mg/l NOEL: < 19 mg/l
 Algae growth inhibition test (72-hour EL50) >1000 mg/l
 Persistence and degradability: This product cannot be regarded as readily biodegradable; however, it may be slowly biodegradable.
 PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
 Other adverse effects: no data available

13	DISPOSAL CONSIDERATIONS
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Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
 Do not reuse empty containers.

14	TRANSPORT INFORMATION
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Not Regulated
 Not hazardous product according to these transport classifications.

15	REGULATORY INFORMATION
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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
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