



COPPERTONE Waterbabies Pure & Simple Mineral Lotion SPF 50

Version 1.0

Revision Date 05/16/2018

122000016696
Print Date 05/16/2018

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

Product information

Product Name: COPPERTONE Waterbabies Pure & Simple Mineral Lotion SPF 50
Synonyms: COPPERTONE Pure & Simple Sensitive Skin Lotion SPF 50
SDS Number: 122000016696
UI Number: 1613993

Use : Consumers

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

Classification of the substance or mixture

Not a hazardous substance or mixture.

Label elements

Labelling according to national GHS implementation:

Not a hazardous substance or mixture.

Other hazards

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Hazardous components

Triethoxyoctylsilane

Concentration [Weight percent] 1.18
CAS-No.: 2943-75-1
CAS name: Silane, triethoxyoctyl-



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GHS Classification:



Skin Irrit. 2 H315

M-Factor: 10

DL- α -Tocopherole

Concentration [Weight percent] 0.25

CAS-No.: 10191-41-0

CAS name: 2H-1-Benzopyran-6-ol, 3,4-Dihydro-2,5,7,8-Tetramethyl-2-(4,8,12-Trimethyl-Tridecyl)-

GHS Classification:



Skin Sens. 1 H317

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: Not an expected entry route.

In case of skin contact: If skin reactions occur, contact a physician.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: In case of accidental ingestion, contact your regional poison center or physician immediately.

Most important acute symptoms/effects

Symptoms: No information available.

Risks: No information available.

Indication of any immediate medical attention and special treatment needed

No information available.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide (CO) Carbon



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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

Avoid formation of aerosol.

Environmental precautions

Methods and materials for containment and cleaning up

Methods for cleaning up: Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.

Reference to other sections

Additional advice: No special precautions required.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling:

Industrial uses: Avoid formation of aerosol.

No special protective measures against fire required.

Conditions for safe storage, including any incompatibilities

Store at temperatures and conditions as indicated on the product label.

Specific end use(s)

No statements available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Zinc oxide	1314-13-2	TWA (Dust)	5 mg/m ³	NIOSH REL
		C (Dust)	15 mg/m ³	NIOSH REL
		TWA (total dust)	15 mg/m ³	OSHA Z-1

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		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
Propane-1,2-diol	57-55-6	TWA	10 mg/m3	US WEEL
Decamethylcyclopentasiloxane	541-02-6	TWA	10 ppm	US WEEL

Hazardous components without workplace control parameters

Components	CAS-No.
Triethoxyoctylsilane	2943-75-1
DL- α -Tocopherole	10191-41-0

Personal protective equipment

- Respiratory protection : Recommended Filter type:
Organic vapor with prefilter

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
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: liquid
- Colour: No statements available.
- Odour: No statements available.
- Melting point/range: No statements available.
- Boiling point/boiling range: No statements available.
- Density: No statements available.
- Bulk density: Not applicable
- 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.

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pH:	No statements available.	
Corrosive to metal:	No statements available.	
Partition coefficient (n-octanol/water):	Triethoxyoctylsilane log Pow: 6.41 at 40 °C	OECD 117
	DL- α -Tocopherole log Pow: 12.2	(calculated)
Flash point:	No statements available.	
Inflammability (solid, gaseous):	Not applicable	
Explosion limits:	No statements available.	
Other information		
Miscibility with water:	No statements available.	

10. STABILITY AND REACTIVITY

Reactivity

No statements available.

Reactions with water / air:

No statements available.

Ignition temperature:

DL- α -Tocopherole

403 °C at 984 hPaDIN 51794

Burning number:

No statements available.

Chemical stability

No statements available.

Thermal decomposition:

No data available

Dust explosion characteristic number:

Not applicable

Dust explosion class:

Not applicable

Impact sensitivity:

No data available

Hazardous reactions:

None known.

Explosive properties:

No statements available.



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Possibility of hazardous reactions

deflagration ability:

No statements available.

Smoldering combustion:

No statements available.

Conditions to avoid

No data available

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)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute inhalation toxicity : Acute toxicity estimate (ATE): 20.33 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate (ATE): > 5,000 mg/kg
Method: Calculation method

Components:

Triethoxyoctylsilane:

Acute oral toxicity : LD50 (Rat, male and female): > 5,110 mg/kg
Method: OECD 401
GLP: yes
Assessment: No adverse effect has been observed in acute toxicity tests.

Acute inhalation toxicity : LC50 (Rat): > 22 ppm
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: OECD 403
GLP: yes
Assessment: No adverse effect has been observed in acute

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toxicity tests.

Acute dermal toxicity : LD50 (Rabbit, female): > 8,000 mg/kg
Method: OECD 402
GLP: yes
Assessment: No adverse effect has been observed in acute toxicity tests.

LD50 (Rabbit, male): 6,730 mg/kg
Method: OECD 402
GLP: yes
Assessment: No adverse effect has been observed in acute toxicity tests.

DL- α -Tocopherole:

Acute oral toxicity : LD50 (Rat): > 4,000 mg/kg
Assessment: The component/mixture is minimally toxic after single ingestion.

Acute dermal toxicity : LD50 (Rat): > 3,000 mg/kg
Assessment: The component/mixture is minimally toxic after single contact with skin.

Skin corrosion/irritation**Components:****Triethoxyoctylsilane:**

Species: Rabbit
Exposure time: 4 h
Assessment: Causes skin irritation.
Method: OECD 404
GLP: yes

DL- α -Tocopherole:

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

Serious eye damage/eye irritation**Components:****Triethoxyoctylsilane:**

Species: Rabbit
Result: Mild eye irritation
Assessment: No eye irritation
Method: OECD 405
GLP: yes

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Result: Redness

Respiratory or skin sensitisation**Product:**

Test Type: Skin sensitisation

Result: Not a skin sensitizer.

Remarks: Expert judgement

Components:**Triethoxyoctylsilane:**

Test Type: Skin sensitisation

Species: Guinea pig

Method: OECD 406

Result: Does not cause skin sensitisation.

GLP: yes

Test substance: Data on a comparable substance

DL- α -Tocopherole:

Species: Guinea pig

Assessment: May cause an allergic skin reaction.

Method: OECD 406

Result: May cause sensitisation by skin contact.

Species: Human experience

Remarks: May cause sensitisation of susceptible persons.

Germ cell mutagenicity**Components:****Triethoxyoctylsilane:**

- Genotoxicity in vitro
- : Test Type: In vitro gene mutation study in mammalian cells
Species: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD 476
Result: negative
GLP: yes
 - : Test Type: Ames test
Species: Escherichia coli
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: yes
 - : Test Type: Ames test
Species: Salmonella typhimurium



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Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: yes

: Test Type: Chromosome aberration test in vitro
Species: Hamster ovary-cells
Metabolic activation: with and without metabolic activation
Method: OECD 473
Result: negative
GLP: yes

DL- α -Tocopherole:

Genotoxicity in vitro : Remarks: Tests with bacteria and mammalian cells showed no evidence of genotoxic effects.

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.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure

Components:

DL- α -Tocopherole:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Components:

DL- α -Tocopherole:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

Triethoxyoctylsilane:

Species: Rat, male and female
NOAEL: 300 mg/kg



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Application Route: Oral
Exposure time: 28-day
Number of exposures: Once daily
Method: OECD 422
GLP: yes

Species: Rat, male and female
NOAEL: 3 mg/l
Application Route: Inhalation
Exposure time: 28-day 6 h
Number of exposures: 6 hours a day, 5 days per week
Method: OECD 412
Test substance: Data on a comparable substance
GLP: yes

Further information

Components:

DL- α -Tocopherole:

Remarks: Ingestion of large quantities:
Diarrhoea
Nausea
Tiredness
Weakness

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Triethoxyoctylsilane:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.055 mg/l Exposure time: 96 h Test Type: flow-through test Analytical monitoring: yes Method: OECD 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 0.049 mg/l Exposure time: 48 h Test Type: Immobilization Analytical monitoring: yes Method: OECD 202 GLP: yes
Toxicity to algae	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.13 mg/l Exposure time: 72 h Test Type: Growth rate



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Analytical monitoring: yes
Method: OECD 201
GLP: yes

M-Factor (Acute aquatic toxicity) : 10

Toxicity to bacteria : EC50 (activated sludge micro-organism): > 1,000 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition
Analytical monitoring: no
Method: OECD 209
GLP: yes

DL- α -Tocopherole:

Toxicity to fish : LC0 (Salmo gairdneri): \geq 10 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD 202

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 26 mg/l
Exposure time: 72 h
Method: OECD 201

Toxicity to bacteria : (activated sludge micro-organism): > 100 mg/l

Ecotoxicology Assessment

Chronic aquatic toxicity : May cause long lasting harmful effects to aquatic life.

Persistence and degradability

Components:

Triethoxyoctylsilane:

Biodegradability : aerobic
Concentration: 5 mg/l
Chemical oxygen demand
Result: Not rapidly biodegradable
Biodegradation: 31.5 %
Exposure time: 28 d
Method: OECD 301 B

DL- α -Tocopherole:

Biodegradability : Biodegradation
Result: Not readily biodegradable.
Biodegradation: 8 %



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Exposure time: 28 d
Method: OECD 301F

Bioaccumulative potential

Components:

Triethoxyoctylsilane:

Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): 1,670
Exposure time: 56 d
Temperature: 24 °C
Concentration: 0.166 mg/l
Method: OECD 305

Partition coefficient: n-octanol/water : log Pow: 6.41 (40 °C)
Method: OECD 117

DL-α-Tocopherole:

Partition coefficient: n-octanol/water : log Pow: 12.2
Method: (calculated)

Mobility in soil

No data available

Other adverse effects

Components:

DL-α-Tocopherole:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
: This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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 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)



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14. TRANSPORT INFORMATION

**US Land transport (CFR)
non-regulated**

Sea transport (IMDG)

UN Number	3082
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE)
Class	9
Packaging group	III
IMDG-Labels	9
EmS Number	F-A
Marine pollutant	yes

Air transport (IATA)

UN Number	3082
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE)
Class	9
Packaging group	III
Dangerous goods labels	9
Environmentally hazardous	yes

15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Zinc oxide	1314-13-2	>= 20 - < 30 %
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US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Zinc oxide	1314-13-2
Propane-1,2-diol	57-55-6

New York City Hazardous Substances

Zinc oxide	1314-13-2
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The components of this product are reported in the following inventories:

TSCA : Not On TSCA Inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16. OTHER INFORMATION

Full text of H-Statements mentioned in chapters 2 and 3

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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.