# Sun Lab sunscreen SPF30 - Family

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

Issue date:23/02/2021 Revision date: 23/02/2023 : Version: 1.0

## SECTION 1: Identification

### 1.1. Product identifier

Product form : Mixture

Trade name : Sun Lab sunscreen SPF30 - Family

Type of product : Sunscreen products

Product code : 91964

Product group : Trade product

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

No additional information available

### 1.3. Supplier's details

**Manufacturer**
Shield Chemicals (Pty) Ltd
9 London Rd
Apex
P.O. Box 1939
1501 Benoni - South Africa
T (011) 421 7111
info@shieldchem.co.za

### 1.4. Emergency telephone number

Emergency number : (011) 421 7111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to the United Nations GHS**

Hazardous to the aquatic environment — Acute Hazard, Category 2 H401

Full text of H statements : see section 16

### 2.2. Label elements

**Labelling according to the United Nations GHS**

Signal word (GHS-ZA) : -

Hazardous ingredients : Ethylhexyl salicylate; Butylmethoxy dibenzoylmethane; (3,3,5-trimethylcyclohexyl) 2-hydroxybenzoate; octocrilene; Ethylhexyltriazone

Hazard statements (GHS-ZA) : H401 - Toxic to aquatic life

Precautionary statements (GHS-ZA) : P273 - Avoid release to the environment.
P501 - Dispose of contents and container to an approved waste disposal plant.

### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Toxic to aquatic life

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to the United Nations GHS |
|---|---|---|---|
| octocrilene | (CAS-No.) 6197-30-4 | 5.0 - 10.0 | Flam. Liq. Not classified<br>Acute Tox. Not classified (Oral)<br>Acute Tox. 5 (Dermal), H313<br>STOT RE Not classified<br>Aquatic Acute 1, H400 |
| Ethylhexyl salicylate | (CAS-No.) 118-60-5 | 5.0 - 10.0 | Flam. Liq. Not classified<br>Acute Tox. Not classified (Oral)<br>Acute Tox. Not classified (Dermal)<br>STOT RE Not classified<br>Aquatic Acute 2, H401 |
| (3,3,5-trimethylcyclohexyl) 2-hydroxybenzoate | (CAS-No.) 118-56-9 | 5.0 - 10.0 | Flam. Liq. Not classified<br>Acute Tox. Not classified (Oral)<br>Acute Tox. Not classified (Dermal)<br>Aquatic Acute 3, H402 |
| Butylmethoxy dibenzoylmethane | (CAS-No.) 70356-09-1 | 1.0 - 5.0 | Acute Tox. Not classified (Oral)<br>STOT RE Not classified<br>Aquatic Acute 1, H400 |

| Name | Product identifier | % | Classification according to the United Nations GHS |
|---|---|---|---|
| Ethylhexyltriazone | (CAS-No.) 88122-99-0 | 1.0 - 5.0 | Acute Tox. Not classified (Oral)<br>Acute Tox. 5 (Dermal), H313<br>Aquatic Acute 3, H402 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

| | | |
|---|---|---|
| Hand protection | : | Protective gloves |
| Eye protection | : | Safety glasses |
| Skin and body protection | : | Wear suitable protective clothing |
| Respiratory protection | : | In case of insufficient ventilation, wear suitable respiratory equipment |

### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Cream. |
| Colour | : | Off-white. |
| Odour | : | characteristic. |
| Odour threshold | : | No data available |
| pH | : | 6.2 - 6.7 |
| pH solution | : | No data available |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Relative evaporation rate (ether=1) | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | Not applicable |
| Vapour pressure | : | No data available |
| Vapour pressure at 50 °C | : | No data available |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | No data available |
| Relative density of saturated gas/air mixture | : | No data available |
| Density | : | No data available |
| Relative gas density | : | No data available |
| Solubility | : | No data available |
| Log Pow | : | No data available |
| Log Kow | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | 8500 - 9000 mPa·s |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |
| Explosive limits | : | No data available |
| Lower explosive limit (LEL) | : | No data available |
| Upper explosive limit (UEL) | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| Ethylhexyl salicylate (118-60-5) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| Butylmethoxy dibenzoylmethane (70356-09-1) | |
|---|---|
| LD50 oral rat | > 16000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |

| (3,3,5-trimethylcyclohexyl) 2-hydroxybenzoate (118-56-9) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| octocrilene (6197-30-4) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |

| Ethylhexyltriazone (88122-99-0) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: other:OECD 401 (1981) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: other:OECD 402 (1981) |

Skin corrosion/irritation : Not classified
pH: 6.2 - 6.7

Serious eye damage/irritation : Not classified
pH: 6.2 - 6.7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

| Ethylhexyl salicylate (118-60-5) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

| Butylmethoxy dibenzoylmethane (70356-09-1) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| NOAEL (oral, rat, 90 days) | 450 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| NOAEL (dermal, rat/rabbit, 90 days) | 360 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) |

| octocrilene (6197-30-4) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 340 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (oral, rat, 90 days) | 175 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life.

Hazardous to the aquatic environment, short-term (acute) : Toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| Ethylhexyl salicylate (118-60-5) | |
|---|---|
| LC50 fish 1 | > 82 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 Daphnia 1 | 10 mg/l Test organisms (species): Daphnia magna |

| Butylmethoxy dibenzoylmethane (70356-09-1) | |
|---|---|
| LC50 fish 1 | > 0.03 mg/l Test organisms (species): Cyprinus carpio |
| EC50 Daphnia 1 | > 0.03 mg/l Test organisms (species): Daphnia magna |

| (3,3,5-trimethylcyclohexyl) 2-hydroxybenzoate (118-56-9) | |
|---|---|
| LC50 fish 1 | > 82 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 Daphnia 1 | > 100 mg/l Test organisms (species): Daphnia magna |

| octocrilene (6197-30-4) | |
|---|---|
| EC50 Daphnia 1 | > 0.023 mg/l Test organisms (species): Daphnia magna |
| EC50 72h algae (1) | > 220 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

| Ethylhexyltriazone (88122-99-0) | |
|---|---|
| LC50 fish 1 | > 1000 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 Daphnia 1 | > 500 mg/l Test organisms (species): Daphnia magna |
| EC50 72h algae (1) | > 80 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

### 12.2. Persistence and degradability

| Sun Lab sunscreen SPF30 - Family | |
|---|---|
| Persistence and degradability | No additional information available |

### 12.3. Bioaccumulative potential

| Sun Lab sunscreen SPF30 - Family | |
|---|---|
| Bioaccumulative potential | No additional information available |

### 12.4. Mobility in soil

| Sun Lab sunscreen SPF30 - Family | |
|---|---|
| Mobility in soil | No additional information available |

### 12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

| SANS | IMDG | IATA |
|---|---|---|
| **14.1. UN number** | | |
| Not regulated for transport | | |
| **14.2. Proper Shipping Name** | | |
| Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | |
| Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | |
| Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | |
| Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |

| SANS | IMDG | IATA |
|---|---|---|
| | : | |
| No supplementary information available | | |

### 14.6. Special precautions for user

**- SANS**

No data available

**- IMDG**

No data available

**- IATA**

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

## SECTION 16: Other information

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Revision date : 23/02/2023

Full text of H-statements:

| | |
|---|---|
| H301 | Toxic if swallowed. |
| H303 | May be harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H313 | May be harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

SDS South Africa

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*