



Insect Repellent Stick

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010
Issue date: 4/15/2024 Revision date: 4/15/2026 Version: 1.1

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : Insect Repellent Stick
Type of product : Insect repellent
Product code : SH1461
Product group : Trade product

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

Use of the substance/mixture :

1.3. Supplier's details

Manufacturer

Shield Chemicals (Pty) Ltd
9 London Rd Apex
P.O. Box 1939
1501 Benoni – Gauteng
South Africa
T (011) 421 7111
Contact: Jayson Clark

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

Serious eye damage/eye irritation, Category 2 H319
Hazardous to the aquatic environment – Acute Hazard, Category 3 H402
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412
Full text of H-statements: see section 16

2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA) :



Signal word (GHS-ZA) : Warning
Hazard statements (GHS ZA) : H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (GHS ZA) : 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.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

No additional information available

Insect Repellent Stick

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Castor oil	CAS No. 8001-79-4	>50	Not classified
IR3535 Insect Repellent	CAS No. 52304-36-6	10 - 20	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Eye Irrit. 2, H319
Paraffin and hydrocarbon waxes	CAS No. 8002-74-2	5 - 10	Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313
Synthetic beeswax	Proprietary	5 - 10	Not classified
Shea butter	CAS No. 85049-36-1	1 - 5	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

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

No additional information available

6.1.2. For emergency responders

No additional information available

Insect Repellent Stick

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Paraffin and hydrocarbon waxes (8002-74-2)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Paraffin wax fumes
OEL eight hour TWA	6 mg/m ³
RHCA - STEL/C	2 mg/m ³
Regulatory reference	Government Notice. R: 1179
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Paraffin wax
OEL TWA	2 mg/m ³ fume
OEL STEL	6 mg/m ³ fume
Regulatory reference	Government Notice No. R 904

8.2. Appropriate engineering controls

No additional information available

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

No additional information available

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	: Solid
Appearance	: Solid.
Colour	: Yellow.
Odour	: Almost odourless.
Odour threshold	: No data available
pH	: Not applicable
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available

Insect Repellent Stick

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
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	: No data available
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
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

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

Insect Repellent Stick

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

IR3535 Insect Repellent	
LD50 oral rat	14000 mg/kg
LD50 dermal rat	> 10000 mg/kg
LC50 Inhalation - Rat	> 5.1 g/m ³
Paraffin and hydrocarbon waxes (8002-74-2)	
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)
Shea butter	
LD50 oral rat	> 5 ml/kg
LD50 dermal rat	> 2000 mg/kg
Skin corrosion/irritation	: Not classified pH: Not applicable
Serious eye damage/irritation	: Causes serious eye irritation. pH: Not applicable
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
Aspiration hazard	: Not classified
Castor oil	
Animal studies and expert judgment for classification	False
IR3535 Insect Repellent	
Animal studies and expert judgment for classification	False
Synthetic beeswax	
Animal studies and expert judgment for classification	False
Paraffin and hydrocarbon waxes (8002-74-2)	
Animal studies and expert judgment for classification	False
Shea butter	
Animal studies and expert judgment for classification	False

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Shea butter	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
ErC50 algae	> 100 mg/l

Insect Repellent Stick

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

12.2. Persistence and degradability

Insect Repellent Stick

Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Insect Repellent Stick

Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Insect Repellent Stick

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

No additional information available

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 Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

SANS

No data available

IMDG

No data available

IATA

No data available

Insect Repellent Stick

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

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

Issue date : 15/04/2024
Revision date : 15/04/2026

Full text of H-statements	
H313	May be harmful in contact with skin
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (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.