Safety Data Sheet

According to SANS 11014:2010 / ISO 11014:2009

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

it1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product information

Product name : SCJ Guardian 1ea/108 Combined Africa

Recommended use : Insect Repellent

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson and Son Kenya Ltd
Outer Ring Thika Road Junction,
Ruaraka
P. O. Box 30457-00100 GPO Nairobi, Kenya

Telephone : +254 203635000/ 711084000

E-Mail : keinfo@scj.com

Emergency telephone number : Poisons Information Helpline: 0800730030 or 080720021

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Skin irritation	Category 2	Causes skin irritation.
Short-term (acute) aquatic hazard	Category 1	Very toxic to aquatic life.
Long-term (chronic) aquatic hazard	Category 1	Very toxic to aquatic life with long lasting effects.

Labelling

Hazard symbols :

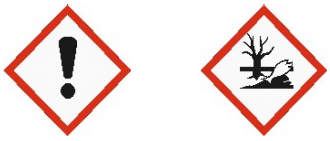
SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240



Signal word
Warning

Hazard statements
Causes skin irritation.
Very toxic to aquatic life with long lasting effects.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Dispose of contents /container in accordance with local regulations.
Wash hands thoroughly after handling.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Classification according to GHS	Weight percent
Transfluthrin	118712-89-3	Acute toxicity Category 4 H302 Carcinogenicity Category 2 H351 Specific target organ toxicity -	75.00 - 100.00

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

		single exposure Category 1 H370 Short-term (acute) aquatic hazard Category 1 H400 Long-term (chronic) aquatic hazard Category 1 H410	
Toluene	108-88-3	Flammable liquids Category 2 H225 Skin irritation Category 2 H315 Reproductive toxicity Category 2 H361d Specific target organ toxicity - single exposure Category 3 H336 Specific target organ toxicity - repeated exposure Category 2 H373 Aspiration hazard Category 1	0.10 - 0.50

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

		H304 Long-term (chronic) aquatic hazard Category 3 H412	
(2,3,5,6-tetrafluorophenyl)methanol	4084-38-2	Acute toxicity Category 4 H302 Eye irritation Category 2 H319 Skin sensitisation Category 1 H317	0.10 - 0.50

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Inhalation : No special requirements

Skin contact : Rinse with plenty of water. Get medical attention if irritation develops and persists.

SCJ Guardian 1ea/108 Combined Africa

Eye contact	:	Rinse with plenty of water. Get medical attention if irritation develops and persists.
Ingestion	:	If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Eyes	:	No adverse effects expected when used as directed.
Skin effect	:	No adverse effects expected when used as directed.
Inhalation	:	No adverse effects expected when used as directed.
Ingestion	:	No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIRE - FIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Extinguishing media which shall not be used for safety reasons	:	None identified
Specific hazards during firefighting	:	In case of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to

health.

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing and gloves. Refer to current EN or National standard as appropriate.
Further information	:	Fight fire with normal precautions from a reasonable distance.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Use appropriate containment to avoid environmental contamination.
Methods and materials for containment and cleaning up	:	Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling	:	For personal protection see section 8.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

Storage

Conditions for safe storage, including any incompatibilities	:	Keep out of the reach of children.
Other data	:	No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally required.
Hand protection	:	For prolonged or repeated contact use protective gloves.
Eye protection	:	No special requirements.
Skin and body protection	:	No special requirements.
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

Form	:	molten
Color	:	colourless
Odour	:	odourless

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

Odour Threshold	:	Test not applicable for this product type
pH	:	Test not applicable for this product type
Melting point/freezing point	:	21 °C
Initial boiling point and boiling range	:	242 °C
Flash point	:	119 °C 246.2 °F
Evaporation rate	:	Test not applicable for this product type
Flammability (solid, gas)	:	The product is not flammable.
Upper/lower flammability or explosive limits	:	Test not applicable for this product type
Vapour pressure	:	Test not applicable for this product type
Vapour density	:	Test not applicable for this product type
Relative density	:	1.388 g/cm3 at 23 °C
Solubility(ies)	:	practically insoluble
Partition coefficient: n-octanol/water	:	Test not applicable for this product type

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

Auto-ignition temperature	:	Test not applicable for this product type
Decomposition temperature	:	Test not applicable for this product type
Viscosity, dynamic	:	78.0 mPa.s at 32 °C
Viscosity, kinematic	:	142.5 mm2/s at 23 °C
Oxidizing properties	:	Test not applicable for this product type
Volatile Organic Compounds Total VOC (wt. %)*	:	1.2 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
Other information	:	None identified

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	None known.
Conditions to avoid	:	Extremes of temperature and direct sunlight.
Incompatible materials	:	None known.

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

Hazardous decomposition products : No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity :

Acute inhalation toxicity :
Acute dermal toxicity : LD50 > 5,000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin irritation	Category 2	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory	No classification proposed	-

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

sensitisation		
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity
The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Transfluthrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.0007 mg/l	96 h

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

	NOEC	Pimephales promelas (fathead minnow)	0.000399 mg/l	
Toluene	LC50 flow-through test	Oncorhynchus kisutch	5.5 mg/l	96 h
	NOEC flow-through test	Oncorhynchus kisutch	1.4 mg/l	40 d
(2,3,5,6-tetrafluorophenyl)methanol				

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Transfluthrin	EC50	Daphnia magna (Water flea)	0.0012 mg/l	48 h
	NOEC	Daphnia magna	0.000017 mg/l	
Toluene	EC50	Ceriodaphnia dubia	3.78 mg/l	48 h

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

(2,3,5,6-tetrafluorophenyl)methanol	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Transfluthrin	NOEC	Desmodesmus subspicatus (green algae)	0.017 mg/l	72 h
Toluene	EC50 Static	Pseudokirchneriella subcapitata (green algae)	12.5 mg/l	72 h
(2,3,5,6-tetrafluorophenyl)methanol				

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Transfluthrin	0 %	28 d	Not readily biodegradable.
Toluene	81 %	5 d	Readily biodegradable.
(2,3,5,6-tetrafluorophenyl)methanol	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Transfluthrin	1,704	5.94
Toluene	90	2.73
(2,3,5,6-tetrafluorophenyl)methanol		No data available

Mobility in soil

Component	End point	Value
Transfluthrin	log Koc	4.73
Toluene		
(2,3,5,6-		

tetrafluorophenyl)methanol		

PBT and vPvB assessment

Component	Results
Transfluthrin	Not fulfilling PBT and vPvB criteria
Toluene	Not fulfilling PBT and vPvB criteria
(2,3,5,6-tetrafluorophenyl)methanol	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Disposal should be in accordance with local, state or national legislation.
Please recycle empty packaging.
Advice : Do not re-use empty containers.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

	Land transport	Sea transport	Air transport
UN number or identification number	3077	3077	3077
UN proper shipping name	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (transfluthrin), 9,III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (transfluthrin), 9,III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (transfluthrin), 9,III
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question

Occupational Health and Safety Act 85 of 1993

Regulations for Hazardous Chemical Agents, 2021

SCJ Guardian 1ea/108 Combined Africa

Version *1*.1

Print Date 08/03/2026

Revision Date 06/11/2026

SDS Number 350000042282
GEN_SOF Number 69240

16. OTHER INFORMATION

Revision Date
1.1

Classification and procedure used to derive the classification of mixtures
According to SANS/ISO 11014, UN GHS

Abbreviations and acronyms
SANS – South African National Standards
ISO – International Organisation for Standardization
UN – United Nations
GHS – Globally Harmonised System

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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)