



Bandit 350 SC

Safety Data Sheet

according to the GHS Classification and labelling of chemicals – SANS 10234 and the Regulations for Hazardous chemical agents 2021.

Issue date:28/02/2025 Date of revision: 28/02/2028 Version. 3.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Name : Bandit 350 SC
Trade name : Bandit 350 SC
Product code : UPL_L8001

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial, agricultural and professional use only
Use of the substance/mixture : A systemic suspension concentrate insecticide for the control of aphid, red scale, thrips, leafminer and psylla on citrus trees; aphids on cotton, potatoes, cucurbits, tobacco and cruciferae, woolly aphid on apples, tobacco slug on tobacco, suppression of thrips on sugarcane and the control of banana aphid as the vector of "Bunchy Top Virus".
Use of the substance/mixture : Insecticide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

UPL South Africa (Pty) Ltd.
Sunbury Office Park (off Douglas Saunders Drive) 7
La Lucia Ridge
P.O. Box 1726, Mount Edgecombe, 4300
4019 Durban - South Africa
T +27 31 514 5600
www.upl-ltd.com/za

1.4. Emergency telephone number

Emergency number : Griffon Poison Information Centre: 082 4468946,
Poisons Information Helpline: 0861 555 777,
In case of Spillage: Spill Tech: 086 100 0366 / 083 253 6618

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to UN GHS Purple Book (Rev. 9, 2021)

Acute toxicity (oral), Category 3	H301
Skin corrosion/ irritation, Category 2	H315
Serious eye damage/ eye irritation, Category 2	H319
Specific target organ toxicity – Repeated exposure, Category 2	H373
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available




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2.2. Label elements

Labelling according to UN GHS Classification (Purple Book, Rev.9, 2021)

Hazard pictograms	:			
		GHS06	GHS08	GHS09
Signal word	:	Danger		
Hazardous ingredients	:	Imidacloprid ; monoethylene glycol; Polysaccharide thickener (Xanthum gum)		
Hazard statements	:	H301 - Toxic if swallowed. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure via oral route H400 - Very toxic to aquatic life. H410 - Very toxic to aquatic life with long lasting effects.		
Precautionary statements	:	P101 – If medical advise is needed, have product container or label at hand. P102 – Keep out of reach of children P103 – Read carefully and follow all instructions. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264+P265 - Wash hands, forearms and face thoroughly after handling. Do not touch eyes. P270 - Do not eat, drink or smoke when using this product. P273+P391 - Avoid release to the environment if this is not the intended use and avoid spillage. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P301 + P316 - IF SWALLOWED: Get emergency medical help immediately. P302 + P352 - IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P319 - Get medical help if you feel unwell. P321 - Specific treatment (see first aid treatment on this label). P330 - Rinse mouth. P332+P317 – If skin irritation occurs: Get medical help. P337 + P317 - If eye irritation persists: Get medical help P362 + P364 - Take off contaminated clothing and wash it before reuse. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.		

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to UN GHS Purple Book, Rev.9, 2021.
Imidacloprid	(CAS-No.) 138261-41-3 (EC-No.) 428-040-8	25 – 50	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400; M=100 Aquatic Chronic 1, H410; M=1000
Tristyrylphenol ethoxylate	(CAS-No.) 99734-09-5 (EC- No.) 935-429-0	1 -2.5	Aquatic Chronic 3, H412

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monoethylene glycol	(CAS-No.) 107-21-1 (EC-No.) 203-473-3	2.5 – 10	Acute Tox. 4 (Oral), H302 STOT RE 2 (oral), H373
Polysaccharide thickener	(CAS-No.) 11138-66-2 (EC-No.) 234-394-2	10 - 20	Skin irrit 2, H315 Eye irrit 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell.

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

Symptoms/effects	: Causes damage to organs.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

monoethylene glycol (107-21-1)	
EU - Occupational Exposure Limits	
Local name	Ethylene glycol
IOELV TWA (mg/m ³)	52 mg/m ³
IOELV TWA (ppm)	20 ppm
IOELV STEL (mg/m ³)	104 mg/m ³
IOELV STEL (ppm)	40 ppm
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Austria - Occupational Exposure Limits	
Local name	Ethylenglykol
MAK (mg/m ³)	26 mg/m ³
MAK (ppm)	10 ppm
MAK Short time value (mg/m ³)	52 mg/m ³ (8x 5(Mow) min)
MAK Short time value (ppm)	20 ppm (8x 5(Mow) min)
Remark (AT)	H
Regulatory reference	BGBI. II Nr. 238/2018
United Kingdom - Occupational Exposure Limits	
Local name	Ethane-1,2-diol

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monoethylene glycol (107-21-1)

WEL TWA (mg/m ³)	10 mg/m ³ particulate 52 mg/m ³ vapour
WEL TWA (ppm)	20 ppm vapour
WEL STEL (mg/m ³)	104 mg/m ³ vapour
WEL STEL (ppm)	40 ppm vapour
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2. Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid, suspension concentrate
Colour	: White to off-white
Odour	: Slight characteristic.
Odour threshold	: No data available
pH	: 6 -8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No flash point up to 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable, water-based.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Miscible with water
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 1000 – 2000Cp
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: Not an oxidising agent.

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Explosive limits : No data available
Corrosiveness : Non-corrosive.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in UN GHS Purple Book (Rev. 9, 2021)

Acute toxicity (oral) : Toxic if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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ATE calculated (oral)	250.14 mg/kg bodyweight
ATE calculated (dust,mist)	12.5 mg/l/4h

Imidacloprid (138261-41-3)

LD50 oral rat	100 mg/kg (ATE)
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	>5.32 mg/l/4h

monoethylene glycol (107-21-1)

LD50 oral rat	500 mg/kg (ATE)
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Skin corrosion/irritation : Causes skin irritation
Additional information : pH: 6 – 8
Serious eye damage/irritation : Causes serious eye irritation
Additional information : pH: 6 – 8
Respiratory or skin sensitisation : Not classified
Additional information : Based on available data, the classification criteria are not met

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Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: May cause damage to organs (kidneys) through prolonged or repeated exposure via oral route
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Toxic if swallowed.

monoethylene glycol (107-21-1)

STOT-repeated exposure	May cause damage to organs (kidneys) through prolonged or repeated exposure via oral route.
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SECTION 12: Ecological information

12.1. Toxicity

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

Imidacloprid (138261-41-3)

LC50 fish	161 mg/l/96h Sheepshead minnows
LC50 fish	211 mg/l/96h rainbow trout
LC50 Daphnia	85 mg/l/48h
ErC50 (algae)	>100 mg/l/72h

12.2. Persistence and degradability

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Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Imidacloprid (138261-41-3)

Partition coefficient n-octanol/water (Log Kow)	0.57
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GHS classification and labelling of chemicals – SANS10234 and the Regulations for Hazardous Chemical Agents - 2021.

monoethylene glycol (107-21-1)

Partition coefficient n-octanol/water (Log Pow) -1.36 (25 °C)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations





13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IATA / IMDG / RID

ADR	IMDG	IATA	RID
14.1. UN number			
UN 2902	UN 2902	UN 2902	UN 2902
14.2. UN proper shipping name			
PESTICIDE, LIQUID, TOXIC, N.O.S.	PESTICIDE, LIQUID, TOXIC, N.O.S.	PESTICIDE, LIQUID, TOXIC, N.O.S.	PESTICIDE, LIQUID, TOXIC, N.O.S.
Transport document description			
UN 2902 PESTICIDE, LIQUID, TOXIC, N.O.S., 6.1, III, (-)	UN 2902 PESTICIDE, LIQUID, TOXIC, N.O.S., 6.1, III, MARINE POLLUTANT	UN PESTICIDE, LIQUID, TOXIC, N.O.S., 6.1, III	UN 2902 PESTICIDE, LIQUID, TOXIC, N.O.S. 6.1, III
14.3. Transport hazard class(es)			
6.1	6.1	6.1	6.1
			
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available			

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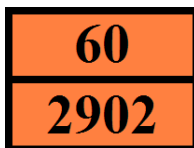
GHS classification and labelling of chemicals – SANS10234 and the Regulations for Hazardous Chemical Agents - 2021.

14.6. Special precautions for user

Overland transport

Hazard identification number (Kemler No.) : 60

Orange plates :



14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information:

Relevant regulatory information regarding authorization, Safety Data Sheets, Occupational Exposure Limits, Hazardous Substances, Dangerous Goods Transport and Waste South Africa: Occupational Health and Safety Act 1993. Regulations for Hazardous Chemical Agents - 2021. Fertilizer, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act 36 of 1947). Hazardous Substances Act, 1973 (Act No.15 of 1973). Regulations for Hazardous Chemical Agents – 2021. SANS11014:2010. Safety Data Sheet for Chemical Products – Content and Order of Sections. SANS10206: 2020. The Handling, Storage and Disposal of Pesticides. National Road Traffic Act, 1996 (Act No. 93 of 1996). SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes. National Environmental Management: waste Act 59 of 2008. organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : Pesticide manual, Supplier SDS and ECHA

Other information : None.

Full text of H- statements:	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Skin irrit. 2	Skin corrosion/ irritation, Category 2
Eye irrit. 2	Serious eye damage/eye irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
H301	Toxic if swallowed.
H315	Causes skin irritation
H319	Causes serious eye irritation
H373	May cause damage to organs (kidneys) through prolonged or repeated exposure via oral route
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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Classification and procedure used to derive the classification for the mixture according to the UN GHS Purple Book (Rev.9, 2021):		
Acute Tox. 3 (Oral)	H301	Calculation method
Skin irrit. 2	H315	Calculation method
Eye irrit. 2	H319	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

Safety Data Sheet (SDS), UN GHS

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.