Baseline 915 EC

Safety Data Sheet

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

Issue date: 24/05/2023 Date of revision: 24/05/2026 Version. 2.0

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

1.1. Product identifier

Product form	:	Mixture
Trade name	:	Baseline 915 EC
Product code	:	UPL_L9861

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

1.2.1. Relevant identified uses

Main use category	:	Herbicide
Industrial/Professional use spec	:	For industrial, agricultural and professional use only
Use of the substance/mixture	:	An emulsifiable concentrate herbicide with safener for pre-emergence control of annual grasses and also Yellow nutsedge under certain conditions in maize, dry beans as well as soybeans, in the summer rainfall region.

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 (inhalation) Category 4	H332
Acute toxicity (oral, dermal), Category 5	H303+H313
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
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

2.2. Label elements

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

Hazard pictograms :

GHS05 GHS07 GHS09

Signal word : Danger

Contains : S-metolachlor; Phenyl sulphonate salt; Light aromatic solvent; Benoxacor

Hazard statements : H303- May be harmful if swallowed or in contact with skin
H332-Harmful if inhaled
H315-Causes skin irritation
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H400- Very toxic to aquatic life
H410- Very toxic to aquatic life with long lasting effects.

Precautionary statements : P101 – If medical advice is needed, have product container or label at hand.
P102 – Keep out of reach of children
P103 – Read carefully and follow all instructions.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264+P265 – Wash hands thoroughly after handling. Do not touch eyes.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301 + P317 - IF SWALLOWED: Get medical help.
P302 + P317 - IF ON SKIN: Get medical help.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P354 + P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317 - Get medical help.
P321 – Specific treatment (see first aid treatment on this label).
P333 + P317 - If skin irritation or rash occurs: Get medical help.
P362 + P364 - Take off contaminated clothing and wash it before reuse
P391 - Collect spillage.
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.
S-metolachlor	(CAS-No.) 87392-12-9 (EC-No.) 618-004-1	84.91	Acute Tox. 5 (Dermal), H313 Acute Tox. 4(oral), H303 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Light aromatic solvent	(CAS-No.) 64742-95-6 (EC-No.) 265-199-0	2.5 – 10	Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Dermal), H312 Skin irrit. 3, H316 Eye irrit. 2B, H320 STOT 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Phenyl sulphonate salt	(CAS-No.) 99734-09-5	3.02	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin irrit. 2, H315 Eye Dam 1, H318 Aquatic Chronic 3, H412
Benoxacor	(CAS-No.) 98730-04-2 (EC-No.) 619-372-6	2.5 – 10	Acute Tox. 5 (Dermal), H313 Acute Tox. 4(oral), H303 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Sens. 1, H317 Aquatic Chronic 1 M=1

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. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

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. Wash with plenty of water/…. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects : May cause an allergic skin reaction

Symptoms/effects after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye damage.

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.

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.

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. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so.
Hygiene measures : Wash hands, forearms and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Baseline 915 EC	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	> 2000 mg/kg bw/day
Acute - local effects, inhalation	3.06 mg/m³
Long-term - systemic effects, dermal	> 2000 mg/kg bodyweight/day

8.2. Exposure controls

Appropriate engineering controls:
Keep in a cool place. Ensure there is adequate ventilation. Observe the label precautions. Provide adequate ventilation.

Personal protective equipment:
Face shield. Full protective flameproof clothing. Gloves. Mist formation: aerosol mask. Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves.

Eye protection:
Safety glasses. Chemical goggles or safety glasses

Respiratory protection:
Wear appropriate mask

Personal protective equipment symbol(s):

Environmental exposure controls:
Avoid release to the environment. Keep container closed when not in use.

Other information:
Do not eat, drink or smoke when using this product. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Keep out of reach of children. Read label before use. Local exhaust and general ventilation must be adequate to meet exposure standards. 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
Appearance	:	liquid:
Colour	:	Golden brown.
Odour	:	Low odour.
Odour threshold	:	No data available
pH	:	No data available
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	:	≈ 93.3 °C
Auto-ignition temperature	:	No data available

Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Slightly
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	≈ 1.083 g/ml
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	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

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 toxicological effects

Acute toxicity (oral)	:	May be harmful if swallowed
Acute toxicity (dermal)	:	May be harmful in contact with skin
Acute toxicity (inhalation)	:	Harmful if inhaled

Baseline 915 EC	
ATE calculated (oral)	2124.80 mg/kg
ATE calculated (dermal)	2062.50 mg/kg
ATE calculated (inhalation)	3.20 mg/l

S-metolachlor (87392-12-9)	
LD50 oral rat	>2000 mg/kg
LD50 dermal rat	>2000 mg/kg
LC50 Inhalation - Rat	>2.91 mg/l/4h

Phenyl sulphonate salt (68411-30-3)	
LD50 oral rat	1080 mg/kg
LD50 dermal	2000 mg/kg

Benoxacor (98730-04-2)	
LD50 oral rat	5000 mg/kg
LD50 dermal	2010 mg/kg
LC50 Inhalation - Rat	2 mg/l

Light aromatic solvent (64742-95-6)	
LD50 oral rat	5000 mg/kg
LD50 dermal	2000 mg/kg
LC50 Inhalation - Rat	5.61 mg/l

Skin corrosion/irritation : Causes skin irritation
pH: 5.2
Additional information : Based on available data, the classification criteria are not met
Serious eye damage/irritation : Causes serious eye damage.
pH: 5.2
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

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 : Not classified
Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Additional information : Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms : Harmful if inhaled. Harmful if swallowed.

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.
Not rapidly degradable

Baseline 915 EC	
LC50 fish calculated	1.30 mg/l
LC50 daphnia calculated	7.87 mg/l

LC50 algae calculated	0.06 mg/l

S-metolachlor (87392-12-9)	
LC50 fish	1.23 mg/l/96h rainbow trout
EC50 daphnia	11.24 mg/l/48h
EC50 72h algae (1)	0.056 mg/l/72h Pseudokirchneriella subcapitata

Phenyl sulphonate salt (68411-30-3)	
LC50 fish	1.67 - 2.88 mg/l
EC50 Daphnia	2.9 mg/l/48h
ErC50 (algae)	29 mg/l

Benoxacor (98730-04-2)	
LC50 fish	1.4 mg/l
EC50 Daphnia	4.782 - 11.47 mg/l/48h
ErC50 (algae)	630 - 13 500 µg/L

Light aromatic solvent (64742-95-6)	
LC50 fish	8.1 mg/l Salmon
EC50 Daphnia	6 mg/l/48h Daphnia magna
ErC50 (algae)	9.4 mg/l Green algae

12.2. Persistence and degradability

Baseline 915 EC	
Persistence and degradability	May cause long-term adverse effects in the environment.

S-metolachlor (87392-12-9)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Baseline 915 EC	
Bioaccumulative potential	Not established.

S-metolachlor (87392-12-9)	
Partition coefficient n-octanol/water (Log Kow)	3.05
Bioaccumulative potential	Not established.

12.4. Mobility in soil

S-metolachlor (87392-12-9)	
Ecology - soil	Soluble in water.

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 / RID / IMDG / IATA / ADN

ADR	IMDG	IATA
14.1. UN number		
UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Baseline 915 EC)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Baseline 915 EC)	Environmentally hazardous substance, liquid, n.o.s. (Baseline 915 EC)
Transport document description		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Baseline 915 EC), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Baseline 915 EC), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Baseline 915 EC), 9, III
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
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
No supplementary information available		

14.6. Special precautions for user

Overland transport

Hazard identification number (Kemler No.) : 90

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.**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, ECHA, Supplier SDS
Other information : None.

Full text of H- statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 5 (Dermal)	Acute toxicity (dermal), Category 5
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for the mixture according to the UN GHS Purple Book (Rev.9, 2021):		
Acute Tox. 4 (Inhalation)	H332	Calculation method
Acute (Oral, Dermal)	H303+H313	Calculation method
Skin irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	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.