

SAFETY DATA SHEET

ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE



Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE

Product code : 000000010056

Details of the supplier of the safety data sheet

Company: Arysta LifeScience Australia Pty Ltd
c/o Level 3, 70 Hindmarsh Square
Adelaide SA
Australia
5000
Telephone : + 61 8 8112 0900

Prepared by sds.request@arysta.com

Further information for the safety data sheet :
sds.request@arysta.com

1.4 Emergency telephone number

Emergency telephone number: +61 2801 44558, ORICA : 1800 033 111 (24 hr Service)
For advice, contact a Poisons Information Centre (Phone: Australia 131 126 or New Zealand 0800 764 766) or a doctor at once.
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Recommended use of the chemical and restrictions on use

Recommended use : Herbicide

Restrictions on use : Agriculture
For professional users only.
APVMA No: 66751

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 2

SAFETY DATA SHEET



ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE

Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

Acute toxicity (Dermal) : Category 4

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 + H312 Harmful if swallowed or in contact with skin
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.

Precautionary statements : **Prevention:**
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves/ protective clothing.
P284 Wear respiratory protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.
P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:

SAFETY DATA SHEET



ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE

Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

Hazardous substance
Non-dangerous goods

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : 2,4-Dichlorophenoxyacetic acid triisopropanolamine salt 300g/l

Hazardous components

Chemical Name	CAS-No.	Concentration (% w/w)
(2,4-Dichlorophenoxy)acetic acid compd. with 1,1',1''-nitritotris[2-propanol]	32341-80-3	>= 10 - < 30

SECTION 4. FIRST AID MEASURES

General advice : For advice, contact a Poisons Information Centre (Phone: Australia 131 126 or New Zealand 0800 764 766) or a doctor at once.
No hazards which require special first aid measures.

If inhaled : Move to fresh air.
Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : irritant effects
sensitising effects
Symptoms may be delayed.
Harmful if swallowed or in contact with skin
May cause an allergic skin reaction.
Causes serious eye damage.
Fatal if inhaled.

SAFETY DATA SHEET



ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE

Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

Notes to physician : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards during fire-fighting : Burning produces noxious and toxic fumes.

Specific extinguishing methods : Standard procedure for chemical fires.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours or spray mist.
For personal protection see section 8.
Provide sufficient air exchange and/or exhaust in work rooms.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : Respirator with filter for organic vapour

Hand protection

SAFETY DATA SHEET

ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE



Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

Remarks	: Polyvinyl alcohol or nitrile- butyl-rubber gloves Before removing gloves clean them with soap and water.
Eye protection	: Eye wash bottle with pure water Tightly fitting safety goggles
Skin and body protection	: Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: clear, red brown
Odour	: ammoniacal
Odour Threshold	: No data available
pH	: No data available
Freezing point	: ca. 0 °C
Boiling point/boiling range	: ca. 100 °C
Flash point	: does not flash
Evaporation rate	: No data available
Upper explosion limit	: Not explosive
Lower explosion limit	: Not explosive
Vapour pressure	: 23.7 hPa (20 °C)
Relative vapour density	: No data available
Relative density	: 1.10
Solubility(ies)	
Water solubility	: completely soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

SAFETY DATA SHEET



ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE

Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

Viscosity
Viscosity, dynamic : No data available
Viscosity, kinematic : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.
Chemical stability : No decomposition if stored and applied as directed.
Possibility of hazardous reactions : No decomposition if used as directed.
Conditions to avoid : Contamination
Incompatible materials : Strong acids and oxidizing agents
Hazardous decomposition products : Burning produces noxious and toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): 375 - 666 mg/kg
Remarks: Data for 2,4 D (2,4 Dichlorophenoxyacetic acid)
Acute inhalation toxicity : LC50 (Rat): > 1.79 mg/l
Exposure time: 4 h
Remarks: Data for 2,4 D (2,4 Dichlorophenoxyacetic acid)
Acute dermal toxicity : LD50 (Rat): 1,500 mg/kg
Remarks: Data for 2,4 D (2,4 Dichlorophenoxyacetic acid)

Chronic toxicity

Germ cell mutagenicity

Components:

(2,4-Dichlorophenoxy)acetic acid compd. with 1,1',1''-nitritoltris[2-propanol]:

Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

Further information

Product:

Remarks: No data is available on the product itself.

SAFETY DATA SHEET



ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE

Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

Product:

Biodegradability : Result: No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Results of PBT and vPvB assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

SAFETY DATA SHEET



ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE

Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

National Regulations

ADG

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

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

R-phrases(s)	: R20/22	Harmful by inhalation and if swallowed.
S-phrases(s)	: S 2 S20 S23 S24/25 S36/37/39	Keep out of the reach of children. When using do not eat or drink. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.
Standard for the Uniform Scheduling of Medicines and Poisons	: No poison schedule number allocated	
Prohibition/Licensing Requirements		: There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - In-

SAFETY DATA SHEET



ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE

Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

international Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TDG - Transportation of Dangerous Goods; UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

Date format : dd.mm.yyyy

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

AU / EN

Carechem24 International Worldwide Coverage

Emergency Phone Number

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China	+86 532 8388 9090
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285 +82 (0)234 798 401

SAFETY DATA SHEET

ARYSTA LIFESCIENCE BASILICA® 300 HERBICIDE



Version 1.7 Revision Date: 05.05.2016 MSDS Number: 000000010056 Country: AU
Language: EN

	Vietnam	+65 3158 1255
	India	+65 3158 1198 0800 100 7479
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Emergency Phone Number	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	South Africa	+27 21 300 2732
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States of America and Canada	+1866 928 0789 +1 215 207 0061
<u>Latin America:</u>	Brazil	+55 11 3197 5891
	Mexico	+52 555 004 8763
	Chile	+56 225 829 336
	All other countries	+44 (0) 1235 239 670