

Safety Data Sheet

according to Regulation (EU) 2015/830 Date of issue: 10/22/2019

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

1.1. Product identifier

: LABAMBA INSECTICIDE Trade name Name : Lambda-cyhalothrin 12% EC

Product code : SHA 3600 C : 33576 Registration #

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

1.2.1. Relevant identified uses

Main use category : Insecticide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sharda Cropchem Ltd.

2nd Floor, Prime Business Park, Dashrathlal Joshi Road, Vile Parle (West)

400056 Mumbai - India

T + 91 22 6261 5615 - F + 91 22 6678 2828

regn@shardaintl.com

1.4. Emergency telephone number

Emergency number For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1011520

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 3 H301 Acute toxicity (inhalation:vapour) Category 3 H331 Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Specific target organ toxicity — Single exposure, Category 3, Narcosis H336 Aspiration hazard, Category 1 H304

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 Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)







Version: 1.0/CA (eng)

GHS06

GHS08

GHS07

Signal word (CLP) : Danger

Hazard statements (CLP) : H301 - Toxic if swallowed. H331 - Toxic if inhaled.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.

: P261 - Avoid breathing dust, fume, gas, mist, spray, vapours. Precautionary statements (CLP)

P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves.

P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER. 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+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing P311 - Call a doctor, a POISON CENTER

P312 - Call a doctor, a POISON CENTER if you feel unwell.

P321 - Specific treatment: See section 4 of the SDS.

P331 - Do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

10/22/2019 EN (English) 1/8

Safety Data Sheet

according to Regulation (EU) 2015/830

P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

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

: EUH401 - To avoid risks to human health and the environment, comply with the

instructions for use.

2.3. Other hazards

EUH-statements

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10, aromatics, <1% naphthalene	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (EC Index-No.) 649-424-00-3 (REACH-no) 01-2119463583-34	50 - 80	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
lambda-cyhalothrin (ISO); reaction mass of (S)- α -cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)- α -cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)	(CAS-No.) 91465-08-6 (EC-No.) 415-130-7 (EC Index-No.) 607-252-00-6	12.9	Acute Tox. 2 (Inhalation), H330 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000)
Benzenesulfonic acid, C10-13-(linear)alkyl derivs., calcium salt	(EC-No.) 932-231-6 (REACH-no) 01-2119560592-37	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
2-ethylhexan-1-ol	(CAS-No.) 104-76-7 (EC-No.) 203-234-3 (REACH-no) 01-2119487289-20	1 - 5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

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 : Move the affected person away from the contaminated area and into the fresh air. If not

breathing, give artificial respiration. Call a doctor.

First-aid measures after skin contact : Remove contaminated clothes. After contact with skin, wash immediately and thoroughly

with water and soap.

First-aid measures after eye contact : Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

: Rinse mouth. Immediately call a POISON CENTER/doctor.

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

Fatal or poisonous if swallowed.

First-aid measures after ingestion

May be fatal if swallowed and enters airway.

Toxic if inhaled.

Irritating to eyes and skin.

Vapour may cause drowsiness or dizziness.

May cause transient, usually less than 24 hours, itching, tingling, burning or numbness of exposed skin, called paresthesia.

Application of topical vitamin E may alleviate symptoms.

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

There is no specific antidote.

Treat symptomatically.

Contains petroleum distillates, vomiting may cause aspiration pneumonia. If swallowed, perform gastric lavage, taking care to prevent aspiration of gastric contents.

Persons suffering from a temporary allergic reaction may respond to treatment with oral antihistamines or steroid creams and/or systemic steroids.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire and/or explosion do not breathe fumes.

Reactivity in case of fire : Product is not explosive.

10/22/2019 EN (English) 2/8

Safety Data Sheet

according to Regulation (EU) 2015/830

5.3. Advice for firefighters

Precautionary measures fire : Keep container tightly closed and away from heat, sparks and flame. Keep away from

combustible materials.

Firefighting instructions : Appropriate self-contained breathing apparatus may be required. Get the package away

from the fire if this can be done without risk. Prevent fire fighting water from entering the

environment.

Protection during firefighting : Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective

equipment, including respiratory protection.

Other information : Do not allow material to contaminate surface water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Chemical resistant

gloves (according to European standard NF EN 374 or equivalent). EN 166. Wear eye

protection. Personal protective equipment. EN ISO 20345.

Emergency procedures : Evacuate personnel to a safe area.

6.1.2. For emergency responders

Protective equipment : Wear suitable hand, body and head protection.

6.2. Environmental precautions

Danger of pollution of drinking water when product enters the soil. Do not allow run-off from fire fighting to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Label the container and provide warning statements to prevent any contact.

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica

gel). Clean spills promptly. Wash contaminated area with large amounts of water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Do not allow run-off from fire fighting to enter drains or water courses. Do not contaminate

water with the product or its container (Do not clean application equipment near surface

water/Avoid contamination via drains from farmyards and roads).

Precautions for safe handling : Avoid contact with skin and eyes. Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with mild soap and water before eating,

drinking or smoking and when leaving work. Remove contaminated clothing and shoes. Wash clothing and equipment after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ensure adequate ventilation, especially in confined areas. Store locked up.

Storage conditions : Keep only in original container. Store in a dry place. Store in a closed container. Store in a

well-ventilated place. Protect from sunlight.

Storage temperature : 0 - 30 °C

Packaging materials : Keep only in the original container in a cool, well-ventilated place away from combustible

materials.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

Eye protection:

EN 166. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles

Skin and body protection:

Long sleeved protective clothing

10/22/2019 EN (English) 3/8

Safety Data Sheet

according to Regulation (EU) 2015/830

Respiratory protection:

Extra personal protection: P2 filter respirator for harmful particles. Extra personal protection: P3 filter respirator for toxic particles

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : light yellow.
Odour : characteristic.
Odour threshold : No data available

pH : 4.9

Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available No data available Freezing point **Boiling point** : No data available Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : No data available : No data available Vapour pressure Relative vapour density at 20 °C : No data available Relative density : 0.9601 (20 °C) Solubility : No data available Log Pow : No data available Viscosity, kinematic : 1.61 mm²/s (20 °C) Viscosity, dynamic : 1.55 cP (20 °C) Explosive properties : Not explosive. : Not oxidising. Oxidising properties **Explosive limits** : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Heat. High temperature. Open flame. Direct sunlight.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Toxic if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Toxic if inhaled.

lambda-cyhalothrin (ISO); reaction mass of (S)-α-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1-1) (91465-08-6)

2,2-unitetriyiCyClopropaneCarboxyrate (1.1) (31405-00-0)	
LD50 oral rat	56 mg/kg bodyweight
LD50 dermal rat	632 mg/kg bodyweight
LC50 inhalation rat (mg/l)	0.066 mg/l/4h
China annuaria a l'amitation	· Cavaga alija imitation

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

10/22/2019 EN (English) 4/8

Safety Data Sheet

according to Regulation (EU) 2015/830

Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

LABAMBA

Viscosity, kinematic 1.61 mm²/s (20 °C)

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified.
Chronic aquatic toxicity : Not classified.

lambda-cyhalothrin (ISO); reaction mass of (S)- α -cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)- α -cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1) (91465-08-6)

	,
LC50 fish 1	0.16 μg/l (96 h, Ictalurus punctatus)
EC50 Daphnia 1	0.23 μg/l (48 h, Daphnia magna)
EC50 72h algae (1)	0.005 mg/l (72 h, Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

lambda-cyhalothrin (ISO); reaction mass of (S)- α -cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)- α -cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1) (91465-08-6)

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

lambda-cyhalothrin (ISO); reaction mass of (S)- α -cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)- α -cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1) (91465-08-6)

BCF fish 1	3635
Log Pow	5.5 (20 °C)

12.4. Mobility in soil

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Surface tension 26.7 mN/m (20 °C)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

- : Disposal must be done according to official regulations.
- Product/Packaging disposal recommendations
- : Avoid release to the environment. Disposal must be done according to official regulations. Do not dispose of the packaging without first carrying out the necessary cleaning. Refer to manufacturer/supplier for information on recovery/recycling.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID	
14.1. UN number					
UN 3352					
14.2. UN proper shipping name					
PYRETHROID PESTICIDE, LIQUID, TOXIC					

Safety Data Sheet

according to Regulation (EU) 2015/830

Transport document description					
UN 3352 PYRETHROID PESTICIDE, LIQUID, TOXIC, 6.1, III, (E)	UN 3352 PYRETHROID PESTICIDE, LIQUID, TOXIC, 6.1, III	UN 3352 PYRETHROID PESTICIDE, LIQUID, TOXIC, 6.1, III	UN 3352 PYRETHROID PESTICIDE, LIQUID, TOXIC, 6.1, III	UN 3352 PYRETHROID PESTICIDE, LIQUID, TOXIC, 6.1, III	
14.3. Transport hazard o	14.3. Transport hazard class(es)				
6.1	6.1	6.1	6.1	6.1	
6	6	6			
14.4. Packing group	14.4. Packing group				
III	III	III	III	III	
14.5. Environmental hazards					
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	
No supplementary information	n available				
14.6. Special precautions for user					

Overland transport

Orange plates

Transport Hazard Class : Class 6.1 **UN Number** : UN 3352

Land Transport (TDG) Proper Shipping Name : Pyrethroid Pesticides, Liquid, Toxic (Lambda-cyhalothrin).

Packing Group : PG III **Environmental Hazards** : Toxic.

Classification code (ADR) :T6

Special provisions (ADR) :61, 274, 648 Limited quantities (ADR) :51 Excepted quantities (ADR) :E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T7 : TP2, TP28

Portable tank and bulk container special provisions (ADR)

Tank code (ADR) : L4BH Tank special provisions (ADR) : TU15, TE19

:AT Vehicle for tank carriage Transport category (ADR) : 2

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28

Special provisions for carriage - Operation (ADR) : S9

Hazard identification number (Kemler No.) : 60

3352 : E

Tunnel restriction code (ADR)

Transport by sea Special provisions (IMDG)

:61, 223, 274 Packing instructions (IMDG) : P001, LP01 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) :T7

Tank special provisions (IMDG) : TP2, TP28

EmS-No. (Fire) :F-A EmS-No. (Spillage) :S-A Stowage category (IMDG) : A Stowage and handling (IMDG) : SW2

60

Safety Data Sheet

according to Regulation (EU) 2015/830

Properties and observations (IMDG)	: Liquid pesticides which present a very wide range of toxic
	hazard. Miscibility with water depends upon the composition. Toxic
	if swallowed, by skin contact or by inhalation.

Air transport

PCA Excepted quantities (IATA) :E1 PCA Limited quantities (IATA) :Y642 PCA limited quantity max net quantity (IATA) :2L PCA packing instructions (IATA) : 655 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 663 CAO max net quantity (IATA) :220L Special provisions (IATA) : A3, A4 :6L ERG code (IATA)

Inland waterway transport

Classification code (ADN) : T6

Special provisions (ADN) :61, 274, 648, 802

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EP, TOX, A

Ventilation (ADN) : VE02
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : T6

Special provisions (RID) : 61, 274, 648

Limited quantities (RID) :5L Excepted quantities (RID) :E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T7

Portable tank and bulk container special provisions (RID) : TP2, TP28

Tank codes for RID tanks (RID) : L4BH

Special provisions for RID tanks (RID) : TU15

Transport category (RID) : 2

Special provisions for carriage – Packages (RID) : W12

Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW28, CW31

Colis express (express parcels) (RID) : CE8, CE12
Hazard identification number (RID) : 60

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations : according to Regulation (EU) 2015/830.

15.1.2. National regulations

Refer to protective measures listed in Sections 7 and 8

15.2. Chemical safety assessment

Refer to protective measures listed in Sections 7 and 8

10/22/2019 EN (English) 7/8

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 16: Other information

Full text of H- and EUH-statements:		
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
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 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
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	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	
H301	Toxic if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H330	Fatal if inhaled.	
H331	Toxic if inhaled.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.	

Other data

 Date of issue:
 22/10/2019

 Version:
 1.0/CA (eng)

Replaces: – Indication of changes: –

SDS EU (REACH Annex II)

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.