



ALFASECT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 15/09/2014

Revision date: 01/03/2016

Supersedes: 15/09/2016

Version: 1.0/EN

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

1.1. Product identifier

Product form : Mixture
Trade name : ALFASECT
Name : Alpha-Cypermethrin 6% SC
Product code : SHA 1000 C

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

1.2.1. Relevant identified uses

Main use category : Biocide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sharda Cropchem Ltd. (formerly known as Sharda Worldwide Exports Pvt. Ltd.)
Domnic Holm, 29th Road, Bandra (West)
400050 Mumbai - India
T + 91 22 6678 2800 - F + 91 22 6678 2828
regn@shardaintl.com

1.4. Emergency telephone number

Emergency number : +91 22 6678 2800 (08-16h)

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 4 H302
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 Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) : Warning
Hazardous ingredients : α -cypermethrin
Hazard statements (CLP) : H302 - Harmful if swallowed
H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P273 - Avoid release to the environment
P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell
P330 - Rinse mouth
P391 - Collect spillage
P501 - Dispose of contents/container to an authorised waste collection point
P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	% w/w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
α -cypermethrin (ISO), racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, (S)- α -cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	(CAS No) 67375-30-8 (EC no) 257-842-9 (EC index no) 607-422-00-X	6	Acute Tox. 3 (Oral), H301 STOT RE 2, H373 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)
Mixture of alcohols, C12-14, ethoxylated, sulfates, sodium	(CAS No) 68891-38-3 (EC no) 500-234-8	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact : Wash with plenty of soap and water.
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
First-aid measures after ingestion : Rinse mouth. Drink plenty of water. Fatal if swallowed. Immediately call a POISON CENTER or doctor/physician.

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

- Symptoms/injuries : May be harmful if swallowed and enters airways.

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 : Water spray. Foam. Dry powder. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Nitrogen oxides. Carbon dioxide. Carbon monoxide. hydrogen cyanide, hydrocyanic acid.

5.3. Advice for firefighters

- Protection during firefighting : Appropriate self-contained breathing apparatus may be required. complete protective suit against chemicals.
Other information : In case of fire and/or explosion do not breathe fumes. Cool closed containers exposed to fire with water spray. Contaminated product, soil or water intended for disposal have to be considered as dangerous. Do not allow material to contaminate surface water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use protective clothing. Do not breathe gas, fumes, vapour or spray. Avoid all contact with skin, eyes, or clothing.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

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). Use appropriate container to avoid environmental contamination.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Dike and contain spill. Pump up the product into a suitably labelled spare container. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : No special measures required. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Wash hands and face before break and at end of works.

Precautions for safe handling : Material handling require no special precaution measures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep away from heat and direct sunlight.

Maximum storage period : 36 months

Storage temperature : -10 - 40 °C

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

Personal protective equipment : Use recommended respiratory protection.

Hand protection : protective gloves. Nitrile rubber gloves. Chloroprene rubber. Butyl rubber gloves

Eye protection : Safety glasses with side shields

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : suspension.

Colour : white.

Odour : Faint aromatic.

Odour threshold : No data available

pH (1%) : 6 - 8 (20°C)

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 data available

Auto-ignition temperature : 427.6 °C

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : 1.0558

Solubility : No data available

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : 4388.6 mPa.s (40 °C, 0.3 rpm)

Explosive properties : Not explosive.

Oxidising properties : Non oxidizing.

Explosive limits : No data available

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Not expected to present a significant hazard under anticipated conditions of normal use.

10.4. Conditions to avoid

Stable in use and storage conditions as recommended in item 7.

10.5. Incompatible materials

Strong bases. (strong) acids. Strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

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LD50 oral rat	500 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 4.42 mg/l/4h (Maximum attainable concentration)

Skin corrosion/irritation	: Not irritating to skin
Serious eye damage/irritation	: Not irritating to eyes
Respiratory or skin sensitisation	: This product does not cause skin sensitization
Germ cell mutagenicity	: Not mutagenic
Carcinogenicity	: No carcinogenic effect
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

α -cypermethrin (67375-30-8)	
LC50 fish 1	0.39 μ g/l (96 h, <i>Oncorhynchus mykiss</i>)
EC50 Daphnia 1	0.42 μ g/l (48 h, <i>Daphnia magna</i>)
ErC50 (algae)	> 0.053 mg/l (72 h, <i>Pseudokirchneriella subcapitata</i>)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

α -cypermethrin (67375-30-8)	
BCF fish 1	0,0978 μ g/l <i>Oncorhynchus mykiss</i> (rainbow trout) - 4 d
Bioconcentration factor (BCF REACH)	832
Log Pow	5.8 (20 °C)

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available




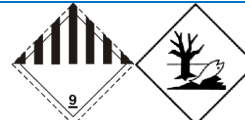
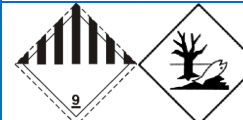
SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
3082	3082	3082	3082	3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, ENVIRONMENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, ENVIRONMENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	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	Dangerous for the environment : Yes
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : M6
 Special provisions (ADR) : 274, 335, 601, 375
 Limited quantities (ADR) : 5I
 Excepted quantities (ADR) : E1
 Packing instructions (ADR) : P001, IBC03, LP01, R001
 Special packing provisions (ADR) : PP1
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T4
 Portable tank and bulk container special provisions (ADR) : TP1, TP29
 Tank code (ADR) : LGBV
 Vehicle for tank carriage : AT
 Transport category (ADR) : 3
 Special provisions for carriage - Packages (ADR) : V12

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Special provisions for carriage - Loading,
unloading and handling (ADR) : CV13
Hazard identification number (Kemler No.) : 90
Orange plates :



Tunnel restriction code (ADR) : E

- Transport by sea

Special provisions (IMDG) : 274, 335
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP2, TP29
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

- Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197
ERG code (IATA) : 9L

- Inland waterway transport

Classification code (ADN) : M6
Special provisions (ADN) : 274, 335, 61
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : M6
Special provisions (RID) : 274, 335, 601
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
Colis express (express parcels) (RID) : CE8

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Hazard identification number (RID) : 90

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

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

Relevant national legislation applicable may be found in the national MSDS

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Other data

Date of issue: 01/03/2016
Version: 1.0/EN
Replaces: v.0.0/EN (15/09/2014)
Indication of changes: Sections 2, 3, 9, 11, 12, 14, 15 and 16.

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

ALFASECT

Aqueous suspension concentrates insecticide against flying and crawling insects

Professional use

Formulation: Suspension concentrate (SC)

Active substance: Alphacypermethrin

Chemical family: Pyrethroid

Concentration: 5.93% w/w (60 gr/l)

Appearance: White suspension

Net Content: 500 mL

Mode of action:

The active substance Alpha-cypermethrin, belonging to the Pyrethroid chemical family, it is a Non-systemic insecticide with contact and stomach action. Acts on the central and peripheral nervous system in very low doses.

Target insects:

Flying insects (flies, mosquitoes, moths)

Crawling insects (cockroaches, ants, bed bugs, fleas)

Product may also used in poultry houses against poultry red mite and litter beetle.

Use instructions:

Normal rate: For the routine treatment of crawling and flying pests	dilute 25 ml product in 5 litres of water, then apply 1 litre diluted product per 20m ² surface.
Special rate: For use where extreme residual action is required and/or surfaces are dirty or highly absorbent.	dilute 50 ml product in 5 litres of water, then apply 1 litre diluted product per 20m ² surface.

Animal husbandry use: when used in premises that are occupied by birds, the product is to be applied no more than twice per season. To be applied as a coarse spray only at low pressure.

Apply using any conventional manual or power sprayer equipped to produce a coarse spray. Add the appropriate volume of Alfasect to the required volume of clean water and agitate. Apply to surfaces frequented by pests, especially cracks, crevices and behind furnishings and equipment.

Flying insects: Apply to surfaces where insects settle.

Cockroaches and other crawling insects: Spray around service ducts, behind and under fittings and equipment. If insects are entering from outside, spray barrier strips 10 cm wide at doors, windows etc.

Litter beetles (lesser mealworm): Apply as a routine treatment after clean-out and before each new cycle. Spray all vertical surfaces, e. g. walls, dividers and posts, and ensure an overlap on to ceilings. It is not necessary to treat the floor.

Poultry red mite: Apply at the normal rate at the beginning of the breeding cycle before the birds enter the house. Spray the entire surfaces of cages, nest boxes, percheries and floors where appropriate. Pay particular attention to corners, cracks and crevices which may harbour mites. Do not spray the birds directly or allow the spraymist to drift over them.

Intended uses:

Alfasect is suitable for pest control treatment of the following premises: domestic premises, public buildings, including hospitals, hotels and restaurants, kitchens, and in industry including food processing plants.

The product may be used in continuously occupied areas only as a band, spot or crack and crevice treatment.

Storage:

Keep away from food, drink and feed.

Packaging:

Empty the container thoroughly. Do not use the package again.

Disposal of empty containers should be done according to local and national regulations.

Precautions:

Wear personal protection equipment.

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Do not eat or drink while working.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

Do not contaminate foodstuffs, eating utensils or food contact surfaces.

Cover water storage tanks before application.

Do not apply directly to animals.

Remove or cover fish tanks and bowls before application.

Do not contaminate watercourses with chemical or used container.

Do not apply directly to livestock and poultry.

Hazardous to bees.

Unprotected persons and animals should be kept away from treated areas until surfaces are dry.

First aid:

After contact with skin, wash immediately with soap and plenty of water.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Give nothing to eat or drink.

Remove casualty to fresh air and keep warm and at rest.

In case of accident or unwellness, seek medical advice immediately

Use insecticides with precaution. Before use, read the label.

Content: 6% w/V Alphacypermethrin



H Phrases:

H410 Very toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.

P Phrases:

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container according to local/national/international regulations.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

Observe the instructions to avoid risks to man and the environment.

For further information, please contact:

SHARDA Europe b.v.b.a.

Jozef Mertensstraat 142,

1702 Dilbeek

BELGIQUE