

Data Sheet (reference Regulation EU 453/2010)

DELATMETHRIN 2.5 EC
(Poleci 2.5 EC Eastern Insecticide)**01 Identification of the substance/preparation and of the company/undertaking****1.1 Product identifier**

Trade name: Poleci 2.5 EC Eastern Insecticide

Registration Number: 32446

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

Relevant identified uses: Insecticide for use in agriculture

1.3 Details of the supplier of the Safety Data Sheet

1.3.1 Supplier: **Sharda Cropchem Limited**
Domnic Holm
29th Road, Bandra (West) Mumbai – 400050, India
Tel: + 91 22 6678 2800
Fax: + 91 22 6678 2828
e-mail: reg@shardaintl.com

1.3.2 Responsible: Mr. Ashish R. Bubna
e-mail: reg@shardaintl.com

1.4 Emergency telephone no.: + 91 22 6678 2800 (08-16h)**02 Hazard identification****2.1 Classification of the mixture**

2.1.1. Classification according to Regulation (EC) No. 1272/2008:

Flam. Liq. 3; H226
Acute Tox. 4; H302
Asp. Tox. 1; H304
Eye Dam. 1; H318
Acute Tox. 4; H332
STOT SE 3; H335
STOTSE 3; H336
Aquatic Acut 1; H400
Aquatic Chronic 1; H410
EUH066
EUH401

2.1.2. Classification according to Directive 1999/45/EU and Directive 67/548/EEC:

Xn – Harmful,
N – Dangerous for the environment

R10
Xn; R20/22
Xi; R37
Xi; R41
N; R50/53
Xn; R65
R66

02 Hazard identification (continued)

2.2 Label elements

2.2.1. Labelling according to Regulation (EC) No. 1272/2008:



Hazard Pictograms:

Signal Word: Danger

Hazard statements: H226, H302, H304, H318, H332, H335, H336, H410

Precautionary statement: P210, P233, P240, P241, P242, P243, P261, P264, P270, P271, P273, P280, P301+P310, P303+P361+P353, P304+P340, P305+P351+P338, P310, P330, P331, P370+P378, P391, P403+P235, P405, P501

Other phases: EUH066, EUH401

List of Full Text of H-, P-statements under Section 16

03 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures:

Hazardous ingredients, their concentration in the mixture:

Chemical name	CAS number	EC Number	REACH registration number	Conc. % w/w	CLP Classification		
					Hazard pict.	Hazard cat.	H phrase
Deltamethrin	52918-63-5	258-256-6	-	2.87	GHS06 GHS09 Dgr	Acute Tox.3; Acute Tox.3; Aquatic Acute 1; Aquatic Chronic 1;	H331 H301 H400 H410
Hydrocarbons, C9, aromatics	-	918-668-5	01-21194558 57-35	> 70	GHS02 GHS07 GHS08 GHS09 Dgr	Flam Liq 3; Asp. Tox 1; STOT SE 3; STOT SE 3; Aquatic Chronic 2;	H226 H304 H335 H336 H411 EUH066
Iso-Butanol	78-83-1	201-148-0	-	< 5	GHS02 GHS05 GHS07 Dgr	FlamLiq 3; STOT SE 3; Skin Irr. 2; EyeDam. 1; STOT SE 3;	H226 H335 H315 H318 H336
Tetrapropylene benzene sulphonate-Ca-salt	11117-11-6	234-360-7	-	< 5	GHS05 GHS07 Dgr	Acute Tox. 4; Skin Irrit 2; Eye Dam 1; AquaticChron 3	H312 H315 H318 H412

04 First aid measures

4.1 Description of first aid measures

General advice	Always bring the original product container, label and safety data sheet with you when calling the emergency number or visiting a doctor for treatment.
Inhalation	Move exposed person to fresh air. If breathing is irregular or stopped, give an artificial respiration and call immediately a doctor.
Skin contact	Remove contaminated clothes immediately and wash with water.
Eye contact	Wash contaminated eyes immediately under flowing water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.
Ingestion	Wash out of mouth immediately with water and contact local emergency. Never give anything to mouth to an unconscious person. Do not induce vomit.

05 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray (not splash), dry extinguishing powder, alcohol resistant foam, carbon dioxide

5.2 Special hazards arising from the substance or mixture

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

Hazardous combustion products: In case of fire toxic gases can be released.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and a special tightly suit.

When fighting a major fire wear and air-supplied respirator. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth.

06 Accidental release measures

6.1 Personal Precautions, protective equipment and emergency procedures

For non-emergency personnel In an emergency respiratory protection must be worn. Wear eye protection, hand protection and full body protection.

Protective equipment Use personal protective equipment. Wear nitrile gloves (EN 374), eye protection/full face protection (EC EN 166 "3"), respirator EC EN 141 and 143 (half) or EN 166 (full) - with A2P3 cartridge and boots (EC EN 20 345 or EC EN 13 832).

Emergency procedures Evacuate area in case of emergency.

For emergency responders Depending on the risk, wear a tight, long apron and boots or suitable chemical protection clothing. Clothing should be dust tight protective. Respiratory protection must be worn. Wear glasses with side protection. Always use gloves.

6.2 Environmental precautions

Endangerment of drinking water and environment. Do not allow runoff to get into the sewage system. Avoid escape into ground, lake or streams under all circumstances. Inform responsible authorities in case of escape.

6.3 Methods and material for cleaning up

For cleaning up Clear spillage immediately by carefully sweep up spills. Collect spilled quantities in a clearly labelled container with a systematic description of its contents and with the hazard symbol and the H and P statements. Entrust to the appropriate authorities for disposal. Wash area thoroughly immediately after removal of spills.

Other information Textile or leather gloves are completely unsuitable.

6.4 Reference to other sections

For disposal of spill see section 13

For protective measures see section 8

07 Handling and storage

7.1 Protective measures

Measures to protect the environment	Do not allow runoff to get into the sewage system. Do not contaminate surface waters or ditches with chemical or used container.
Advice on general occupational hygiene	Do not breathe the spray. Avoid skin and eyes contact. Do not eat, drink or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Wash all protective clothing thoroughly after use.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	Keep in original container, tightly closed and in a safe place. Keep dry and frost proof in a suitable pesticide store. Recommended storage is at room temperature in a well-ventilated place. Protect from exposure to light.
Further information on storage conditions	Wash out container thoroughly, empty washings into spray tank and dispose of safely.

7.3 Specific end uses

Insecticide uses

08 Exposure controls/personal protection

8.1 Control parameters

No exposure limits available.

8.2 Exposure controls

Protective measures:

Eye and face protection EC EN 166 "3" against chemical agents

Respiratory protection Particle filters P2 or P3, color code white if needed.

Hand protection Wear nitrile gloves (EN 374). Textile, leather gloves are completely unsuitable.

09 Physical and chemical properties

9.1 Information on basic physical and chemical properties of the mixture

Physical state	liquid
Appearance	clear yellow oil
Odour	like terpenes
pH (1% aqueous)	7.01
Melting point/freezing point	no data available
Initial boiling point	no data available
Flash point	37°C
Evaporation rate	no data available
Flammability	not applicable
Upper/lower flammability or explosive limit	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	0.8891 g/ml
Solubility	no data available
Partition coefficient n-octanol/water	no data available
Auto-ignition temperature	>400°C
Decomposition temperature	no data available
Viscosity (kinematic)	1.958 ± 0.01 mPa (20°C) 1.314 ± 0.01 mPa (40°C)
Explosive properties	Not explosive
Oxidising properties	not applicable
Surface tension	27.43 ± 0.41 mN/m (20 ± 1°C)

10 Stability and Reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under normal storage condition
10.3 Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions
10.4 Conditions to avoid	Extremes of temperature and direct sunlight, contact with open flames.
10.5 Incompatible materials	None known
10.6 Hazardous decomposition products	In case of fire toxic gases can be released

11 Toxicological information

11.1 Information on toxicological effects

Harmful if swallowed.
 Harmful if inhaled.
 Causes serious eye damage.
 May cause respiratory irritation.
 May cause drowsiness or dizziness.

11.2 Relevant toxicological properties:

Acute toxicity:

LD ₅₀ (oral):	500 mg/bw kg
LD ₅₀ (dermal):	> 2000 mg/bw kg
LC ₅₀ (inhalation):	2.75 mg/L air 4h
Skin irritation:	Not irritant
Eye irritation:	Causes serious eye damage
Skin sensitization:	Not sensitizer

Repeated/Chronic:

Mutagenicity:	Not classified (based on properties of ingredients)
Reproductive toxicity:	Not classified (based on properties of ingredients)
Carcinogenicity:	Not classified (based on properties of ingredients)
Teratogenicity:	Not classified (based on properties of ingredients)

11.3 Information on likely routes of exposure:

Ingestion, inhalation, skin and eye contact.

11.4 Other information:

No data available

12 Ecological information

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Experimental data

EC ₅₀ (48h) Daphnia magna:	0.69 mg/L
EC ₅₀ (72h) algae:	> 4.56 mg/L
LC ₅₀ (96h) fish:	0.032 mg/L

12.2 Persistence and degradability

Biodegradation: not readily biodegradable (deltamethrin)

12.3 Bioaccumulative potential

Log Pow 4.6 (deltamethrin)

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

13 Disposal considerations**13.1 Waste treatment methods**

Product / Packaging disposal	Wash out container thoroughly, empty washings into spray tank and dispose of in compliance with local regulations.
Sewage disposal-relevant information	Do not empty into sewage systems

14 Transport Information

14.1 UN number	1993
14.2 UN proper shipping name	Liquid FlammableN.O.S. (deltamethrin, solvent naphtha(petroleum), light aromatic)
14.3 Transport hazard classes	3
14.4 Packing group	III
14.5 Environmental hazards	Marine pollutant
14.6 Special precautions for user	Check specific local regulations in force.

15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This MSDS is prepared to comply with Regulation (EU) No. 453/2010.

Relevant national legislation applicable may be found in the national MSDS.

Chemical safety assessment: Refer to sections 7 and 8 for relevant advice.

16 Other information

For use instructions, refer to product label.

Full text of H and P statements provided in sections 2 and 3 are given below for ease of reference:

H226	Flammable liquid and vapour
H301	Toxic if swallowed
H302	Harmful 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
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
EUH066	Repeated exposure may cause skin dryness or cracking
EUH401	To avoid risks to human health and the environment, comply with the instructions for use
R10	Flammable
R20/22	Harmful by inhalation and if swallowed
R37	Irritating to respiratory system
R41	Risk of serious damage to eyes
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking

16 Other information (continued)

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing vapours/spray
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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
P310	Immediately call a POISON CENTER or doctor/physician
P330	Rinse mouth
P331	Do NOT induce vomiting
P370+P378	In case of fire: Use foam for extinction
P391	Collect spillage
P403+P235	Store in a well ventilated place. Keep cool
P405	Store locked up
P501	Dispose of contents/container according to local regulations

Other data

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Replaces: Version 2

Indication of changes: Changes in sections 1 of the SDS.