
1. Identification of the substance/preparation and company/undertaking

Product

Trade Name: SHARIMIDA/IMIDACLOPRID SHARDA 20 SL

Recommended Uses: Agricultural Insecticide for potatoes against Colorado potato beetle and apples against aphids

Company

Supplier: Sharda Worldwide Exports Pvt Ltd
Address: Domnic Road 29th
Bandra (West)
MUMBAI 400 050
INDIA

Telephone Number: + 91 22 6678 2800
Fax Number: + 91 22 6678 2828/ 2808
e-mail: Shardaint@vsnl.com

European office: M/s. Sharda Europe b.v.b.a
Heedstraat 58, 1730 Asse
Belgium

Telephone Number: +32 2 4664 444

2. Composition/Information on Ingredients

Component	CAS Registr y No.	EINECS ELINCS No.	Conc. g/l	R phrase*	Symb ol
Imidacloprid (E)-1-(6-Chloro-3-pyridinylmethyl)-N-nitroimidazolidin-2-ylideneamine (IUPAC)	13826 1-41-3	Not allocated	200	R57	N

* Reference section 16

3. Hazards Identification

Irritating to eyes and skin
Harmful to birds

4. First Aid Measures

Skin Contact:	Remove contaminated clothing. Wash the affected area immediately with water followed by soap and water. Seek medical attention immediately.
Eye Contact:	Rinse out with plenty of water for 15 minutes with the eyelid held wide open. Seek medical attention immediately.
Inhalation:	Remove the patient to fresh air; prevent all exertion and seek medical aid immediately.
Ingestion:	Wash mouth with water and seek medical attention immediately and show the container label or this datasheet.

5. Fire-fighting Measures

In the case of fire:

-Fire extinguishing: media: Water fog

-Hazards from combustion: in the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated. Do not breathe fumes.

-Wear fire equipment: Wear full protective clothing and self contained breathing apparatus. Extinguish any possible sources of ignition if safe to do so.

6. Accidental Release Measures

In the case of accident, the decontamination must be quickly done.

-The wearing of an appropriate equipment of protection is recommended (clothes, gloves, boots ...).

-The dispersing of product must be absorbed by the use of sand, earth or other available material.

-Place the dirty materials in specific containers.

-Rinse the messed area with water. The cleaning waters do not be put in the gutter or in surface water.

-Contact the authorities in the case of accidental discharge in surface water.

7. Handling and Storage

Handling:

- Avoid contacts with eyes and skin
- Do not breathe the spray
- Do not eat, drink or smoke during the use of the product
- Do clean the face and hands before eating, drinking or smoking

Storage:

- Keep the product in its original container tightly closed and away from the reach of children.
- Keep away from feedings and drinking including those for animals.
- Keep away from freezing.
- The product is stable for 2 years in its original container stored at room temperature and tightly closed.

8. Exposure Controls/Personal Protection

Wear suitable protective gloves when handling the product.

When using do not eat, drink or smoke.

Wash hands and exposed skin before eating and drinking and after work

9. Physical and Chemical Properties

Appearance:	Liquid
Colour:	Honey yellow
Odour:	None
pH:	6.5
Flash Point:	92.5°C
Flammability	Not relevant
Autoflammability	277°C
Explosive properties:	None
Oxidising properties	None
Vapour Pressure:	Not determined
Relative density:	1.126g/ml at 20°C
Solubility	
Water solubility	Miscible
Fat solubility	Not available

10. Stability and Reactivity

Stable in packaging at ordinary temperatures. Keep in original packaging.

11. Toxicological Information

Acute toxicity:

Oral toxicity	: LD ₅₀ (oral, rat) > 2500 mg/kg b/w, Category IV
Dermal Toxicity	: LD ₅₀ (skin, rat) > 2000 mg/kg b/w, Category IV
Skin/Dermal Irritation	: Non irritant to rabbit skin
Eye Irritation	: Non irritant to rabbit eyes
Skin sensitisation	: Does not cause sensitisation on laboratory animals
Inhalation	: LD 50 > 0.053mg/L Category II
Mutagenic effects	: AMES and Micronuclei tests negatives

12. Ecological Information

Mobility: Moderately mobile in the soil.

Degradation:

DT50 in soil from 1 to 146 days.

DT 50 in water: 4.2 hours.

Bioaccumulation: No expected to bio-accumulate as its Log Pow is 0.57.

Ecotoxicity:

-Aquatic:

*Fish (Rainbow trout): LC50 (96H) > 100mg/L

*Daphnia: LC50 (48H) > 100mg/L

*Algal: EC 50 (72H) > 100mg/L

-Micro-organisms:

*No adverse effects have been recorded toward micro-organisms

-Birds and mammals:

*The risk is considered as acceptable towards birds and mammals.

-Bees:

*A particular attention has to be done towards bees, spray the product before the set up of the hives.

13. Disposal Considerations

Information: Contact the Local Council Authority for advice on the disposal of pesticide waste, or ask an approved waste disposal contractor.

14. Transport Information

Transport information:

ADR/RID/ADNR:

ONU: 3082

Etiquette: 9

Packaging Group: III

Danger code: 90

Description: Environmentally Hazardous substance, Liquid N.O.S (Imidacloprid Solution)

IMDG:

ONU: 3082

Etiquette: 9

Packaging Group: III

N° EMS: F-A, S-F

Pollutant: Marine Pollutant

Description: Environmentally Hazardous substance, Liquid N.O.S (Imidacloprid Solution)

IATA

ONU: 3082

Etiquette: 9

Packaging Group: III

Description: Environmentally Hazardous substance, Liquid N.O.S (Imidacloprid Solution)

15. Regulatory Information

- Hazard symbol: Xi Irritant

- Risk phrases:
R36/38 Irritating to eyes and skin

- Safety phrases:

S1/2: Keep locked up and out of the reach of children

S13: Keep away from food, drink and animal feeding stuffs.

S20/21: When using to not eat, drink or smoke

S23: Do not breathe spray

S25: Avoid contact with eyes

S26: In case of contact with eyes rinse immediately with plenty of water and seek medical advice

S36/39: Wear suitable protective clothing and eye/face protection

Spe8: Dangerous to bees. To protect bees and other pollinating insects do not apply to crop plants when in flower. Do not use when bees are actively foraging. Do not apply when flowering weeds are present. Remove weeds before flowering.

Do not apply when bees are in a period of intense activity.

Do not apply during flowering period.

Do not apply in presence of aphid's honeydew (secretion) (eg. More than 4 aphids / leaf).

16. Other Information

Use the product according to the recommendations of the Manufacturer described on the Label of the product.

Further information:

Date of First Issue:

First Revision Date:

Disclaimer: The information contained in this MSDS is designed to give general health and safety guidance on the storage and transport of the substance/preparation to which it relates. Requirements arising from a Risk Assessment of the substance/preparation in a particular working environment should take precedence over any of the guidance contained in this MSDS where there is a difference in the information given. The information contained in this MSDS is accurate at the date of publication and will be updated as and when appropriate. Liability will not be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this MSDS.

Compiled in accordance with EC Directive 91/155/EEC and subsequent amendments EC Directives 93/112/EEC and 2001/58/EC.