

SAFETY DATA SHEET

DINOTEFURAN 20% SG

(TOKEN)

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 Issued date: 21.05.2022
 Revised date: 01.03.2024
 Revision No.:01
 Ref: IIL/DNF20SG

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name:	DINOTEFURAN 20% SG
Use / description of product:	Use as an agricultural/horticultural insecticide
Company name:	INDOFIL INDUSTRIES LIMITED
	Kalpataru Square, 4th Floor,
	Kondivita Road, Off. Andheri Kurla Road, Andheri (E),
	Mumbai 400 059, Maharashtra, India.
	Email: customercare@indofil.com
	Toll Free No.:1800-120-003-004

2. HAZARDS IDENTIFICATION

GHS Classification
 Aquatic hazard Chronic

Category 1

Hazard Symbol



Signal Word

WARNING

Hazard Statement(s)

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

Other Hazards

P391 Collect spillage.
 P501 Dispose of contents or container in accordance with local, regional, national and international regulations.
 Toxic to bees and silkworms

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	%
Active ingredient (Dinotefuran)	165252-70-0	20
Other ingredients	-----	QS

4. FIRST AID MEASURES

Most Important symptoms and effects, both acute and delayed

Skin contact
Eye contact
Ingestion

There may be mild irritation at the site of contact
 There may be irritation and redness.
 There may be soreness and redness of the mouth and throat

Description of first aid measures

In general

Never give fluids or induce vomiting if patient is unconscious or is having convulsions. Seek medical advice immediately (show the label where possible)

After Ingestion

Do not induce vomiting. Provided the patient is conscious. Wash mouth with water and give plenty of water to drink. Consult a physician or Doctor if victim feels unwell.

After eye contact

Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

After skin contact

Immediately wash skin with soap and plenty of water. Consult a physician if irritation develops.

After Inhalation

Remove to fresh air. Consult a physician if irritation develops

Indication of any immediate medical attention and special treatment needed

Supportive care. No specific antidote. Treatment based on judgement of physician, in response to symptoms of patient.

5. FIRE-FIGHTING MEASURES**Extinguishing media:**

Water spray. Carbon dioxide. Dry chemical powder.

Exposure hazards:

May form flammable / explosive dust-air mixture. In combustion emits toxic fumes of sulphur Oxides, nitrogen oxides, carbon dioxide / carbon monoxide.

Protection of fire-fighters:

Wear self-contained breathing apparatus. Run-off from fire control may be a pollution hazard. If area is not too heavily exposed to fire, and if conditions permit, let fire burn itself out, since water may increase the contamination hazard.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions:**

Eliminate all sources of ignition. Do not create dust.

Environmental precautions:

Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures:

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Do not use equipment in clean-up procedure, which may produce sparks.

7. HANDLING AND STORAGE**Handling requirements:**

Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools.

When handling do not eat, drink or smoke.

Storage conditions:

Store in cool, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep in original containers, out of reach of children. Never allow the product to become wet during storage. This may lead to chemical changes, which will reduce the effectiveness as an insecticide and could create flammable vapours.

Suitable packaging:

Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering measures:**

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

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Respiratory protection:

Hand protection:

Eye protection:

Skin protection:

Wear approved respirator.

Protective gloves

Requirements can vary as a function of the use. Therefore, it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Safety goggles.

Mixers and loaders must wear overalls , protective goggles and chemical-resistant apron.

Applicators and other handlers must wear overalls, goggles and waterproof gloves. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Solid
Colour:	White
Odour:	Odourless
Solubility in water:	Soluble in water
pH	6.5 to 8 (1% dispersion)
Melting point °C:	107.5°C

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions.

Conditions to avoid:

Excessive temperatures.

Hazardous decomp. products:

Decomposition on heating above 22°C. Decomposed on heating in alkaline media with the formation of copper oxides. Decomposition will evolve toxic and irritant vapors.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:

DINOTEFURAN

Acute toxicity (Assessment largely or completely based on data for active substance)

Acute Oral LD ₅₀ (Rat)	> 2000 mg/kg
Acute Dermal LD ₅₀ (Rat)	> 2000 mg/kg
Acute Inhalation LD ₅₀	> 2.94 mg/L
EYE Irritation (Rabbit)	Mild irritation.
SKIN Irritation (Rabbit)	Slight Skin irritant
Skin Sensitization (Guinea Pig)	Not a skin sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity: (Assessment largely or completely based on data for active substance)

Aquatic toxicity :

Material is very toxic to aquatic organisms.

Fish

LC₅₀ (96 h,)

Quail 2000 mg/kg Dietary

Daphnia EC₅₀ (48 hr)

no data

Bird

Acute Oral, LD₅₀

Material is practically non-toxic to birds.

Honey Bee

LD₅₀ (oral)

Mallard duck > 997.9 ppm

LD₅₀ (contact)

Material is non-toxic to bees

Earthworm

LC₅₀ (14 d)

Material is non-toxic

Environmental Fate

No data

Persistence and Degradability:

Half-life in soil type and conditions are approximately 6-15 days.

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Mobility in soil:Bio-concentration potential is low.
Fast degradation. Not mobile in soil.**13. DISPOSAL CONSIDERATIONS****Disposal operations:**

Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

Disposal of packaging:

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****U.S> Department of Transportation (DOT)****Bulk****UN no:**

3077

Shipping name:Environmentally Hazardous Substance, solid, n.o.s.
(Dinotefuran)**Hazard Class:**

9

Packing group:

III

Land Transport (ADR / RID)**UN no:**

3077

Shipping name:Environmentally Hazardous Substance, solid, n.o.s.
(Dinotefuran)**Hazard Class:**

9

Packing group:

III

Marine Transport (IMDG / IMO)**UN no:**

3077

Shipping name:Environmentally Hazardous Substance, solid, n.o.s.
(Dinotefuran)**Hazard Class:**

9

Packing group:

III

Marine pollutant:

Yes

EmS:

F-A, S-F

Air transport (IATA / ICAO)**UN no:****3077****Shipping name:**Environmentally Hazardous Substance, solid, n.o.s.
(Dinotefuran)**Hazard Class:**

9

Packing group:

III

Cargo Packing instructions:

15. REGULATORY INFORMATION

Symbol : Xn : Harmful

Special Risks :
(R-Phrases)

(S- Phrases) :

R22 : Harmful if swallowed.

R51/5 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Safety Advice

S 2 : Keep out of the reach of children

S24/25 Avoid contact with skin and eyes..

S36/37 Wear suitable protective clothing and gloves

S57 Use appropriate containment to avoid environmental contamination.

S60 This material and its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION**Legal disclaimer:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.