

MATERIAL SAFETY DATA SHEET

TERMAOUT (Fipronil 2.92 % EC)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND SUPPLIER

PRODUCT NAME : **TERMAOUT (Fipronil 2.92 % EC)**

CHEMICAL GROUP : Phenylpyrazole insecticide

RECOMMEDED USE : A liquid insecticides can be used as a termiticide.

CORPORATE ADDRESS : **Arbuda Agrochemicals Limited**
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 Ashok Chakravarti Road, Kandivali-East,
 Mumbai-400101, Maharashtra, India.
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 Email - info@arbudaagrochemicals.com

MANUFACTURER ADDRESS : **Arbuda Agrochemicals Limited**
 Plot No. 279-283, GIDC, Taluka Talod,
 District-Sabarkantha, Gujarat – 383215.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components contributing to hazard:

Fipronil Technical (CAS 120068-37-3)	(Active ingredient)	2.92 %w/w
Tributyl Phosphate	(De-foaming agent)	11.68 % w/w
Ethoxylate alkyl aryl Phosphate ester	(Emulsifier)	10.51 % w/w
Calcium alkyl aryl Sulphate	(Emulsifier)	01.17 % w/w
Kerosene (de-aromatised)	(Solvent)	Q.S%

3. HAZARDS IDENTIFICATION

- May be fatal if swallowed and enters airways
- Causes skin irritation
- Suspected of causing cancer
- May cause damage to organs (Liver, Central nervous system) through prolonged or repeated exposure if swallowed
- Very toxic to aquatic life with long lasting effects

4. FIRST AID MEASURES

- General advice** : Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove Contaminated clothing immediately and dispose of safely. When symptoms develop and persist, seek medical advice.
- Inhalation** : Move to fresh air. Keep patient warm and at rest. Call a physician or poison control centre immediately.
- Skin contact** : Wash off thoroughly with plenty of soap and water, if available with polyethylene glycol 400, subsequently rinse with water. Call a physician or poison control center immediately.
- Eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or poison control center immediately.
- Ingestion** : Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Risk of product entering the lungs on omitting after ingestion. Do not leave victim unattended. Call a physician or poison control center immediately.

5. FIRE-FIGHTING MEASURES.

Extinguishing Media

- Suitable : Water spray, Foam, Carbon dioxide (CO₂), Dry
- Unsuitable : High volume water jet
- Hazchem Code : 3Z
- Special hazards arising from : Dangerous gases are evolved in the event of a fire. the substance or mixture

Advice for Fire-Fighters

- Special protective Equipment for fire fighters : In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.
- Further information : Contain the spread of the fire-fighting media. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire-fighting to enter drain or water courses.

6. ACCIDENTAL RELEASE MEASURES

- Precautions : Keep people away from and upwind of spill/leak. Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.
- Environmental precautions : Do not allow to get into surface water, drains and ground water.
- Methods for cleaning up : Recover the product by pumping, suction or absorption using a dry and inert absorbent clay. Collect and transfer the product into a properly labeled and tightly closed container. Clean contaminated floors and objects thoroughly observing environmental regulations. Check also for any local site procedures.

Additional advice :

7. HANDLING AND STORAGE

Advice on safe handling	:	Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing.
Advice on protection against fire and explosion	:	Keep away from heat and sources of ignition.
Hygiene measures	:	Avoid contact with skin, eyes and clothing. Keep working clothes separately. Remove soiled clothing immediately and clean thoroughly before using again. Wash hands before breaks and immediately after handling the product. Smoking, eating and drinking should be prohibited in the application area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment	:	In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.
Respiratory protection	:	Wear respirator with an organic vapours and gas filter mask (protection A or equivalent). Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
Hand protection	:	Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Wash gloves when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.
Material	:	Nitrile rubber
Rate of permeability	:	> 480 min
Glove thickness	:	> 0.4 mm
Protective index	:	Class 6
Directive	:	Protective gloves complying with EN 374.
Eye protection	:	Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).
Skin and body protection	:	Wear standard coveralls and Category 3 Type 4 suit. If

there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	Liquid
COLOUR	:	Pale yellow to light brown
RELATIVE DENSITY (WATER=1)	:	0.923 gm/ml
RELATIVE VEAPOUR PRESSURE	:	-
BOILING POINT/RANGE	:	>150"c.
WATER SOLUBILITY	:	Dispersible
FLASH POINT	:	> = 80 °C

10. STABILITY AND REACTIVITY

Thermal decomposition Chemical stability	:	Stable under normal conditions. Stable under recommended storage conditions.
Possibility of hazardous reactions	:	No hazardous reactions when stored and handled according to prescribed instructions
Conditions to avoid	:	Extremes of temperature and direct sunlight.
Incompatible materials	:	Store only in the original container.
Hazardous decomposition products	:	No decomposition products expected under normal conditions of use.

11. ECOLOGICAL INFORMATION

Eco toxicity:

The product is not expected to be hazardous to the environment

Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

LC 50, 96 Hrs, Fish mg/l > 1000

Persistence and degradability

Degradability:

There are no data on the degradability of this product.

Bio accumulative potential

Bio accumulative Potential:

No data available on bioaccumulation.

Mobility in soil Mobility:

The product is insoluble in water.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

Not known.

12. DISPOSAL CONSIDERATONS

Product	:	In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.
Contaminated packaging	:	Not completely emptied packaging's should be disposed of as hazardous waste.

13. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY	:	LD50 (Rat) > 2000 mg/kg
ACUTE INHALATION TOXICITY	:	LD50 (Rat) > 5.03 mg/l Exposure time : 4 h
ACUTE DERMAL TOXICITY	:	LD50 (Rat) > 2000 mg/kg
SKIN IRRITATION	:	Irritating to skin. (Rabbit)
SKIN SENSITIZATION	:	Non skin sensitizer
CARCINOGEN STATUS	:	Carcinogenic (Rat) Non carcinogenic (Humans) Non
MUTAGENECITY	:	Mutagenic Yes in Rat
REPRODUCTIVE TOXICITY	:	III (Slightly hazardous) 3082
WHOCCLASS	:	Not applicable Environmentally Hazardous Substance,

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Un number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fipronil)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	Yes
IATA-DGR		
UN/ID No	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Fipronil)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passenger aircraft)	:	964
Environmentally hazardous	:	Yes
IMDG-Code		
Un number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fipronil)
Class	:	9
Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	Yes

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Product Type : Insecticides, acaricides and products to control other arthropods

Active substance : 25 g/l Fipronil

HAZARD	:	Dangerous for the environment symbol (N)R 36/
SYMBOLRISK	:	38 - Irritating to eyes and skin
PHRASES	:	S 36 / 37 / 39 – Wear suitable protective clothing gloves and eye/face protection.
SAFETY PHRASES	:	S 57 – Use appropriate containment to avoid Environmental contamination.

16. OTHER INFORMATION

MSDS PREPARATION DATE : **01/04/2025**
REVISION DATE : **31/03/2027**

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment or work risk as required by other health and safety legislation.