

**MATERIAL SAFETY DATA SHEET
TERMAOUT (Fipronil 2.92 % EC)****1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND SUPPLIER**

PRODUCT NAME	:	TERMAOUT
CHEMICAL NAME	:	Fipronil 2.92 % EC
CHEMICAL GROUP	:	Phenylpyrazole insecticide
RECOMMENDED USE	:	A liquid insecticide or household use
SUPPLIER ADDRESS	:	Arbuda Agrochemicals Pvt. Ltd 1104, Ruby Crescent Business Boulevard, Ashok Chakravarti Road, Kandivali - East, Mumbai-400101, Maharashtra, India Customer Care No- +91 9076907642 Email - info@arbudaagrochemicals.com
MANUFACTURER ADDRESS	:	Arbuda Agrochemicals Pvt Ltd Plot No-281-283, GIDC, Taluka -Talod District- Sabarkantha, Gujarat-383215

2. COMPOSITION/ INFORMATION ON INGREDIENTS**Components contributing to hazard:**

Fipronil Technical	(Active ingredient)	2.92 %w/w CAS 120068-37-3
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 center 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 firefighting 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 labelled 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. 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.

Hand protection

- 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** : 0.923 gm/ml

(WATER=1)

RELATIVE VEAPOUR PRESSURE	:	-
BOILING POINT/RANGE	:	>150"c.
WATER SOLUBILITY	:	Dispersible
FLASH POINT	:	> = 80 °C

10. STABILITY AND REACTIVITY

Thermal decomposition	:	Stable under normal conditions. Stable under recommended storage conditions.
Chemical stability	:	
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
REPRODUCTIVE TOXICITY	:	Yes in Rat
WHOCCLASS	:	III (Slightly hazardous) 3082 Not applicable Environmentally Hazardous Substance,

14. TRANSPORT INFORMATION

UN NUMBER : Not "Dangerous goods" for transport by rail/road

IMDG CLASS

PACKAGING

GROUP

PROPER SHIPPING NAME

Liquid, (Fipronil Solution)

SUBSIDIARY SK

15. REGULATORY INFORMATION

HAZARD : Dangerous for the environment symbol (N)R 36/

SYMBOL RISK : 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 : 01/03/2024

REVISION DATE : 28/02/2026

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.