



BJ GOLDEN STATE

SAFETY DATA SHEET

According to Regulation (EC) No. 1907 / 2006

Version: 4.0 / CN
Revision Date: 20.05.2021
Date of print : 20.05.2021
Termiticide

TERMICAN EC-25

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

1.1 Product Identifiers

Trade Name	:	Termican EC-25
Active ingredient	:	Fipronil 25g/l EC
Type of formulation	:	Emulsifiable concentrate
Chemical formula	:	$C_{12}H_4Cl_2F_3N_4OS$
Molar mass	:	437.2
Chemical family	:	Pyrazole derivative
Chemical name	:	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethylsulfinyl)-1H-pyrazole-3-carbonitrile

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

Recommended Use : For the residual control of wood destroying subterranean termites and wood boring insects.

1.3 Name of the Manufacturer of safety data sheet

Company : Beijing Golden State Science & Technology Development Co., Ltd
7-703 No. 108 North Sha Gou Haidian District Beijing P.R. China.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Risk advice to man and the environment

Potential health effects : May be harmful if inhaled and through prolonged or repeated exposure if swallowed.
Potential environmental effects : Toxic to fish & aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Precautionary statements : Obtain special instructions before use. Keep out of the reach of children.
Do not breath fume/ mist/ vapours/ spray. Keep away from food, drink and animal feeding stuff.
Wear protective gloves before use and wash thoroughly after handling.
Dispose of container in accordance with the local regulations.

Hazards not otherwise classified (HNOC)

No physical; hazards not otherwise classified. No health hazards not otherwise classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENT

Identification	CAS-NO.	Concentration % (W/W)
Fipronil	120068-37-3	2.5%

SECTION 4: FIRST AID MEASURES

General Advice : Avoid contact with the skin, eyes & clothing. Remove contaminated clothing. If difficulties occur, obtain medical attention, show the container, label and / or safety data sheet to physician.

Inhalation : Move to fresh air. Keep patient warm and at rest & seek medical attention.

Skin contact : Take off contaminated clothing and shoes immediately. Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.

Eye contact : Hold eye open and rinse slowly and gently with clean water for at least 10 - 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye.

Ingestion : If swallowed seek medical advice immediately. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by the physician.

Most important symptoms and effects, both acute and delayed

Symptoms : The most important known symptoms & effects are described (see section 2) further important symptoms and effects are so far not known.

Treatment : Appropriate, supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.



BJ GOLDEN STATE

SAFETY DATA SHEET

According to regulation (EC) No. 1907 / 2006

Version: 4.0 / CN
Revision Date: 20.05.2021
Date of print : 20.05.2021
Termiticide

TERMICAN EC-25

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Carbon dioxide (Co2), dry chemical, Polymer foam, extinguishing powder, water spray.
unsuitable : High volume water jet.

Special hazard arising from the substance or mixture : Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Fire fighting instructions : In the event of fire and/or explosion do not breath fumes. Wear self contained breathing apparatus and protective suits.

Fire fighting instructions : 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 drains or water courses. Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions : Keep people away from and upwind of spill/leak. Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

Environmental precautions : If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal.

Methods and materials for containment and cleaning up

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.

Additional advice : Use personal protective equipment. Avoid contact with the skin, eyes & clothing.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling : No special measures are necessary, if stored and handled correctly. Ensure thorough ventilation of store and work areas. Handle and open container in a manner as to prevent spillage. Wash hands thoroughly with soap and water after handling this product and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove soiled clothing immediately and clean thoroughly before using again.

Protection against fire and explosion : Keep away from heat and source of ignition.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Store in a place accessible by authorized persons only. Keep container tightly closed in a dry, cool and well ventilated place. Keep away from direct sunlight. Protect from frost.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls 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 : When respirators are required, select respirators in accordance with the appropriate regulatory standards and/or industry recommendations.

Hand protection : Wear suitable chemical resistant safety gloves (EN 374).

Eye protection : Wear safety goggles (confirming to EN 166, field of use = 5 or equivalent)

Skin and body protection : Wear chemical protection suit (according to EN 14605) or wear coveralls long-sleeved shirt and long pants and shoes plus socks.

General protective measures : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.



BJ GOLDEN STATE

SAFETY DATA SHEET

According to regulation (EC) No. 1907 / 2006

Version: 4.0 / CN
Revision Date: 20.05.2021
Date of print : 20.05.2021
Termiticide

TERMICAN EC-25

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Appearance	: Colorless to light yellow
Physical state	: Liquid
Odour	: No data available
pH	: 3.0 - 4.0 (1 %) (23 °C) (Deionized water)
Melting point/range	: No data available
Boiling point	: No data available
Flash point	: $\geq 80^{\circ}\text{C}$
Flammability	: No data available
Auto-ignition temperature	: No data available
Self-accelerating decomposition temperature	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: ca. 0.86 g/cm ³ (20 °C)
Water solubility	: Dispersible
Viscosity, kinematic	: No data available
Oxidizing properties	: No data available
Explosivity	: No data available
Other information	: Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	
Thermal decomposition	: Stable under normal conditions.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reaction	: No hazardous reactions when stored and handled according to prescribe 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.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral toxicity	: Ld50 (RAT) > 2,000 mg/kg
Acute inhalation toxicity	: LC50 (RAT) > 5.03 mg/l Exposure time: 4 h
Acute dermal toxicity	: Ld50 (RAT) > 2,000 mg/kg
Skin corrosion/irritation	: Irritating to skin (Rabbit)
Eye irritation	: No eye irritation (Rabbit)
Respiratory or skin sensitization	: Skin: non-sensitizing (Guinea pig) OECD Test Guideline 406, Buehler test

Assessment STOT specific target organ toxicity - single exposure
Fipronil: Based on available data, the classification criteria are not met.



BJ GOLDEN STATE

SAFETY DATA SHEET

According to regulation (EC) No. 1907 / 2006

Version: 4.0 / CN
Revision Date: 20.05.2021
Date of print : 20.05.2021
Termiticide

TERMICAN EC-25

Assessment STOT specific target organ toxicity - repeated exposure

Fipronil caused specific target organ toxicity in experimental animal studies in the following organ(s):
Liver: Fipronil caused neurobehavioral effects and/or neuropathological changes in animal studies.

Assessment mutagenicity

Fipronil was not mutagenic or geneotoxic in a battery of *in vitro* and *in vivo* tests.

Assessment carcinogenicity

Fipronil caused an increase in the incidence of tumours in rats in the following organ(s): Thyroid.
The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

Assessment carcinogenicity

Fipronil caused reproduction toxicity in a two generation study in rats only at a dose level also toxic to the parent animals.
The reproduction toxicity seen with fipronil is related to parental toxicity.

Assessment development toxicity

Fipronil did not cause developmental toxicity in rats and rabbits.

Aspiration hazardous

Maybe fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish	:	LC 50 (<i>Oncorhynchus mykiss</i> (rainbow trout)) 4.5mg/l Exposure time 96 h
Toxicity to aquatic invertebrates	:	EC 50 (<i>Daphnia magna</i> (water flea)) 0.09 mg/l Exposure time 48 h
Toxicity to aquatic plants	:	EC 50 (<i>Desmodesmus subspicatus</i> (green algae)) 0.074 mg/l Exposure time 96 h The value mentioned relates to the active ingredient fipronil
Biodegradability	:	Not rapidly biodegradable.
Koc	:	427 - 1278
Bioaccumulation	:	Fipronil bioconcentration factor (BCF) 321 Does not bioaccumulate.
Mobility in soil	:	Slightly mobile in soil
PBT and vPvB assessment	:	This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
Additional ecological information	:	No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATION

Waste treatment methods

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	:	Empty remaining contents and triple rinse container. Rinse packaging may be acceptable for landfill, otherwise incineration will be required according to the local regulations. Not completely emptied packaging should be disposed of as hazardous waste.



BJ GOLDEN STATE

SAFETY DATA SHEET

According to regulation (EC) No. 1907 / 2006

Version: 4.0 / CN
Revision Date: 20.05.2021
Date of print : 20.05.2021
Termiticide

TERMICAN EC-25

SECTION 14: TRANSPORT INFORMATION

Sea transport

IMDG

UN number : 3082
Class : 9
Packaging group : III
Marine pollutant : Yes
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Fipronil Solution)

Air transport

IATA/ICAO

UN number : 3082
Class : 9
Packaging group : III
Environment hazardous mark : Yes
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Fipronil Solution)

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirement.

SECTION 15: REGULATORY INFORMATION

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

Further information : WHO-classification: III (Slightly hazardous)
H-phrase(s)
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
R-phrase(s)
R50/53 : R50/53 toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R20/22 : Harmful by inhalation and if swallowed.
S-phrase(s)
S2 : Keep out of the reach of children.
S13 : Keep away from food, drink and animal feeding stuff.
S29/35 : Do not empty into drains, this material and its container must be disposed of in a safe way.
S37 : Wear suitable gloves.
S57 : Use appropriate container to avoid environmental contamination.

SECTION 16: OTHER INFORMATION

The information contained within this safety data sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No. 1907/2006 and any subsequent amendments. The data complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.