

CAVOR GEL

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Company: CHEMICAL TREATMENT COMPANY - COTCHIM -

Address: 15 RUE JORDANIE MOUALLA 2100 GAFSA-TUNISIA

Phone: (00216) 76 225 551

Fax: (00216) 76 227 346

Email: cotchim_tn@hotmail.com / www.cotchim.com

2. IDENTIFICATION OF RISKS

Possible dangers:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statement:

H412 Harmful to aquatic life with harmful effects on long term.

EUH401 Observe the instructions for use to avoid risks for humans and the environment.

Cautionary advice:

P102 Keep out of the reach of children.

Cautionary Advice (Prevention):

P234 Keep only in original container .

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

Precautionary statements (Intervention):

P391 Collect spilled product.

Cautionary Advice (Storage):

P405 Keep under key.

Precautionary Advice (Elimination):

P501 Dispose of contents / container to a collection point of special or hazardous waste .

R-phrase (s)
R52 / 53 Harmful to aquatic organisms, may cause the adverse effects to long-term environmental water.

Cautionary advice (s)

S2 Keep out of the reach of children.
S13 Keep away from food , drink and drink, including those for animals .
S20 / 2 1 Do not eat, drink or smoke while using.
SP 1 Do not pollute the water with the product or its packaging. [Do not clean the application equipment near surface water ./ Avoid contamination via drainage systems from the course of farm or roads.]

3. COMPOSITION / INFORMATION ON COMPONENTS

Trade name :

CAVOR GEL

Nature of the product :

Biocidal product, insecticide,
Ready to use gel bait

Composition :

Chemical Name	CAS No.	EC No	classification	Concentration [%]
Fipronil 5- Amino -1- (2,6-dichloro -4- (trifluoromethyl) phenyl) -4 - ((trifluoromethyl) sulfinyl) - 1H-pyrazole-3-carbonitrile	120068-37-3	424-610-5	H400 , H410 , H401	0.05%
Excipients	-----	-----	-----	99.95%

4. FIRST AID

4.1. Description of first aid

Remove soiled clothing.

After inhalation:

Rest, fresh air.

After contact with the skin:

Wash thoroughly with soap and water.

After contact with the eyes:

Wash thoroughly with running water for at least 15 minutes holding the eyelids open.

After ingestion:

Immediately rinse mouth and drink plenty of water, induce vomiting, medical aid.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: The main known symptoms and effects are described in the label (see section 2) and / or in section 11., To date, no other important symptoms or effects are known.

4.3. Indication of any care medical immediate and treatments needed special

Treatment: Symptomatic treatment (decontamination, vital functions).

5. FIRE FIGHTING MEASURES

Extinguishing media :

Recommended extinguishing media:

Water spray, carbon dioxide, foam, extinguishing powder

Special hazards arising from the substance or mixture :

Carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen fluoride, hydrofluoric acid, nitrogen oxides, sulfur oxides, organochlorine compound
The substances and groups of substances mentioned can be released during a fire.

Advice for firefighters :

Special protective equipment:

Wear a self-contained breathing apparatus and chemical protective suit.

Other information:

In the event of fire and / or explosion, do not breathe fumes. Cool endangered containers with water. Collect contaminated fire extinguishing water separately, do not allow it to enter drains or sewers. Dispose of combustion residues and contaminated water, in accordance with local regulatory requirements.

6. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL DISPERSION

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with skin, eyes, clothing. Do not breathe vapors / aerosols.

6.2. Environmental protection precautions

Do not discharge into the earth / subsoil. Do not discharge into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

For small quantities: pick up with absorbent material (eg sand, sawdust, universal binder, Kieselguhr).

For large quantities: Dike. Pump the product.

The recovered product must be disposed of in accordance with the regulations in force. Collect separately in suitable, labeled packaging that can be sealed. Thoroughly clean soiled objects and floors with water and detergent, observing the regulations in force.

6.4. Reference to other sections

Information regarding exposure controls / personal protection and disposal considerations can be found in section 8 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling :

No special measures necessary if storage and handling are appropriate. Ensure good ventilation and ventilation of the storage space and the workplace. Do not eat, drink or smoke while using. Wash hands and / or face before breaks and after work.

Protection against fire and explosion:

No special measures necessary. The substance / product is not combustible. The product is not explosive.

Conditions for safe storage, including any incompatibilities :

Separated from foodstuffs, including those for animals.

Other data on storage conditions:

Keep away from heat. Protect from the direct action of sunlight.

Protect from temperatures above: 35 ° C

Changes in the characteristics of the product may occur if substance / product is stored above indicated temperature for extended periods of time.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure parameters to be monitored in the workplace

No known occupational exposure limit value.

Exposure controls

Personal protective equipment :

Respiratory protection:

Respiratory protection not required

Hand protection:

Suitable protective gloves resistant to chemical agents (EN 374), also in the case of prolonged direct contact (recommended: protection index 6, corresponding to a permeation time > 480 minutes according to EN 374): e.g. in nitrile rubber (0.4mm), chloroprene rubber (0.5mm), butyl rubber (0.7mm), among others.

Eye protection:

Safety glasses with side shields (rimmed glasses) (eg EN 166)

Protective clothing:

Choose body protection according to activity and type of exposure, e.g. apron , protective boots , chemical protective suit (in accordance with EN 14605 in the event of splashing or EN ISO 13982 for dust).

General protection and hygiene measures

Observe the usual precautionary measures when handling chemicals. Wearing closed work clothing is recommended. Store work clothes separately. Keep away from food and drink, including those for animals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Oxidising properties: non-oxidising

10. STABILITY AND REACTIVITY

Reactivity

Stability and reactivity :

No dangerous reactions, if the regulations / indications for storage and handling are observed.

Chemical stability

The product is stable when the instructions / recommendations for storage are followed.

Possibility of hazardous reactions

No dangerous reactions, if the regulations / indications for storage and handling are observed.

Incompatible materials

Products to avoid:

Strong bases, strong acids, strong oxidants

Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products, if the regulations / indications for storage and handling are observed.

11. TOXICOLOGICAL INFORMATION

Assessment of acute toxicity:

Slightly toxic after single ingestion.

Virtually nontoxic after a single skin contact.

Virtually nontoxic after a single inhalation.

Experimental / calculated data:

LD50 rat (oral): 4.400 mg / kg (OECD Guideline 401)

(By inhalation): The product has not been tested. The indication is derived from the properties of individual components.

LD50 rat (dermal): > 5,000 mg / kg (OECD Guideline 402)

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H- pyrazole-3-carbonitrile

Experimental / calculated data:

LC50 rat (by inhalation): 0.36 mg / 14 h (OECD Guideline 403) Test for a dust-aerosol mixture .

Assessment of the irritant effect:

Non-irritating to the eyes. Non-irritating to the skin.

Experimental / calculated data: Skin corrosion / irritation rabbit: non-irritant

Serious eye damage / rabbit irritation:

Non irritant

Evaluation of the sensitizing effect:

There is no sign of a possible sensitizing effect on the skin.

Experimental / calculated data:

Guinea pig guinea pig maximization test: Did not sensitize in animal tests.

Evaluation of carcinogenicity:

The product did not have a carcinogenic effect.

No indication for impaired fertility.

Evaluation of the teratogenic character:

The product has no indication for a toxic effect on embryos.

Toxicity assessment after repeated administration:

Causes mortality and neurotoxicity on prolonged or repeated exposure.

Unconventional use can lead to adverse health effects

12. ECOLOGICAL INFORMATION

Assessment of aquatic toxicity:

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H-pyrazole-3-carbonitrile

Toxicity to fish:

LC50 (96 h) 0.0852 mg / l, *Lepomis macrochirus*

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H-pyrazole-3-carbonitrile

Aquatic invertebrates:

EC50 (48 h) 0.19 mg / l, *Daphnia magna* LC50 (96 h) 0.00014 mg / l, *Mysidopsis bahia*

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H-pyrazole-3-carbonitrile

Aquatic plants):

EC50 (96 h) 0.068 mg / l (growth rate), *Scenedesmus subspicatus* EC50 (7 d) > 0.16 mg / l (growth rate), *Lemna gibba*

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H-pyrazole-3-carbonitrile

Chronic effects on fish:

NOEC 0.0029 mg / l, *Cyprinodon variegatus*

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H-pyrazole-3-carbonitrile

Chronic effects

on aquatic invertebrates : NO

EC (21 d) 0.0098 mg /

l, *Daphnia magna*

NOEC 0.000008 mg / l, *Mysidopsis bahia*

Persistence and degradability :

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H-pyrazole-3-carbonitrile

Assessment of biodegradability and elimination (H₂O): Not readily biodegradable (according to OECD criteria).

Bioaccumulative potential :

The indication is derived from the properties of individual components.

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H-pyrazole-3-carbonitrile

Bioaccumulative potential:

Bioconcentration factor:

321, *Lepomis macrochirus* Accumulation in organisms is not expected.

Mobility in soil :

Data relating to: fipronil (ISO); 5- amino -1- [2,6- dichloro -4- (trifluoromethyl) phenyl] -4- [(trifluoromethyl) sulfinyl] -1H-pyrazole-3-carbonitrile

Assessment of transport between environmental compartments:

After penetration into the soil, adsorption to solid soil particles is to be expected. Penetration into surface water is not expected.

Results of PBT and vPvB assessment

The product does not contain a substance satisfying the PBT criterion (Persistent / bioaccumulative / toxic) or the vPvB criterion (very Persistent and very bioaccumulative)

Other adverse effects :

The product does not contain substances listed in Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

Additional indications

Other information on ecotoxicity:

Do not allow the product to enter the environment without control

13. CONSIDERATION RELATED TO ELIMINATION

Product :

Must be sent to an approved landfill or incinerated in an approved center while respecting local regulatory requirements.

Uncleaned packaging:

Used packaging should be optimally emptied and disposed of like the product.

Waste disposal code :
020108 agrochemical wastes containing dangerous substances.

14. TRANSPORT INFORMATION

Land transportation

ADR

Non-dangerous product within the meaning of transport regulations

UN number : Not applicable

UN proper shipping name:

Transport hazard class (es): No
applicable

Not applicable Not applicable

Group packaging: Not applicable

Environmental hazards:

Special precautions to be taken by the user

None known

RID

Non-dangerous product within the meaning of transport regulations

UN number : Not applicable

UN proper shipping name:

Transport hazard class (es):

Not applicable Not applicable

Group packaging: Not applicable

Environmental hazards: Special precautions for user
Not applicable None known

Inland river transport

DNA

Non-dangerous product within the meaning of transport regulations

UN number : Not applicable

UN proper shipping name:
Transport hazard class (es):

Not applicable Not applicable

Group packaging: Not applicable

Environmental hazards: Special precautions for user Transport by inland
waterway by tanker:

Not applicable None known Not assessed

Sea transport sea transport

IMDG IMDG

Non-dangerous product within the meaning of transport regulations

Not classified as a dangerous good under transport regulations

UN number : Not
applicable UN number : Not applicable

UN proper shipping name:
Class (es) for the transport:

Not applicable UN proper shipping
name :
Not applicable Transport hazard
class (es):

Not applicable Not applicable

Group packaging: Not applicable Packing group: Not applicable

Transportation Air Air Transport

IATA / ICAO IATA / ICAO

Non-dangerous product within the meaning of transport regulations

Not classified as a dangerous good under transport regulations

UN number : Not
applicable UN number : Not applicable

UN proper shipping name:
Class (es) for the transport:

Not applicable UN proper shipping
name :
Not applicable Transport hazard
class (es):

Not applicable Not applicable

Group packaging: Not applicable Packing group: Not applicable

Environmental hazards: Special precautions for user

Not applicable Environmental hazards :
None known Special precautions for user

Not applicable None known

UN number

See the corresponding UN number entries for the respective regulations in the tables above.

UN proper shipping name

See the corresponding entries for the proper shipping name for the respective regulations in the tables above.

Transport hazard class (es)

See the corresponding entries under "Transport hazard classes" for the respective regulations in the tables above.

Group packaging

See the corresponding entries under "packing groups" for the respective regulations in the tables above.

Environmental hazards

See the corresponding entries under "environmental hazards" for the respective regulations in the tables above.

Special precautions to be taken by the user

See the corresponding entries under "Special precautions for user" for the respective regulations in the tables above.

Bulk transport in accordance with Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL73 / 78 and the IBC Code

regulation :	Not rated	Regulation:	Not evaluated
Approved Shipping :	Not rated	Shipment approved:	Not evaluated
Pollution name:	Not rated	Pollution name:	Not evaluated
Class of pollution:	Not rated	Pollution category:	Not evaluated
Type of vessel :	Not rated	Ship Type:	Not evaluated

15. REGULATORY INFORMATION

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

Social Security Code, Art. L 461-1 to L 461-8.

If other regulatory information applies and is not mentioned elsewhere in this Safety Data Sheet, then it is described in this sub-section.

16- OTHER INFORMATION

Full text of the classifications, including the indications of danger, hazard symbols, R-phrases and hazard statements, if mentioned in sections 2 and 3:

T Toxic
N Dangerous for the environment.
23/24/25 Toxic by inhalation, in contact with skin and if swallowed. 48/25 Toxic: risk of serious damage to health by exposure
Prolonged by ingestion.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment .
Aquatic Chronic Hazardous to the aquatic environment - chronic Acute Tox. toxicity acute
STOT RE Specific target organ toxicity - repeated exposure
Aquatic Acute Hazardous to the aquatic environment - acute
H311 Toxic in contact with skin.
H330 Fatal if inhaled.
H301 Toxic if swallowed.
H372 Causes damage to the organs (Central Nervous System) by repeated exposure or by prolonged exposure .
H400 Very toxic to aquatic organisms .
H410 Very toxic to aquatic life with toxic effects

long- term harmful effects .