

SAFETY DATA SHEET

According to Regulation (EC) No. 1907 / 2006 (REACH)
Date / updated July 20, 2017. Rev 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND THE COMPANY OR THE COMPANY.

1.1. product identifier

Product name: (DIPTRON COCKROACH GEL log is/MR NA) - 2017-18-00416

1.2 identified relevant uses of the substance or mixture and discouraged applications

Use: Bait gel ready to use for the control of cockroaches biocide. TP18 environmental use: exclusively by qualified personnel.

1.3 data of the supplier's safety data sheet

Química de Munguia S.A.
Derio Bidea, 51
48100 Munguia (Vizcaya)
Tel. 94 674 1 85
e-mail: info@quimunsa.com

1.4. emergency phone Tel: (94) 6741085 (available only during office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1 classification of the substance or the mixture

In accordance with Regulation (EC) n ° 1272 / 2008 and its adaptations.
Aquatic chronic category 2

2.2 elements of the label

Mix is a product of biocide use (see section 15).
In accordance with Regulation (EC) n ° 1272 / 2008 and its adaptations.

Product identifiers:

Pictograms.



Word of warning: ----

Indications of danger:

H410-toxic to aquatic organisms, with lasting effects.



Safety advice - General :

Safety advice - elimination:

P273 prevent their release into the environment.

P391 collect the spill.

P501 Deleted the content, or its container in accordance with the rules on hazardous waste.

2.3. other hazards

The mixture does not contain "extremely substances concern" (SVHC) $\geq 0,1\%$ published by the European Chemicals Agency (ECHA) according to article 57 of the REACH: <http://echa.europa.eu/es/candidate-list-table> "

The mixture does not respond to the criteria applicable to mixtures PBT or vPvB in accordance with annex XIII of regulation REACH (EC) n ° 1907 / 2006.

SECTION 3 composition/information on ingredients

3.2 mixtures:

Composition

Components	NO. EINECS	Registration number:	NO. CAS	% w/w	Classification according to Regulation (EU) No. 1272 / 2008 [EU-GHS/CLP]
Dinotefuran	EC No: 605-399-0	---	65252-70-0,	2	Aqua. ToX. (acute) 1: H400 M = 10 Aqua. tox. (chronic) 1: H410 M = 10

Full text of H and EUH sentences: see Chapter 16

SECTION 4: FIRST AID

Generally, in case of doubt or if symptoms persist, always call a doctor. Do not ever eat anything to an unconscious person. Remove the person from the place of exhibition and remove contaminated clothing.

4.1 description of first aid

In the event of exposure by inhalation:

If the person is breathing with difficulty, move abroad and keep at rest in a position comfortable for breathing, if it is necessary to supply oxygen-

In case of projections or contact with eyes:

wash immediately with plenty of water for several minutes. Separate the eyelids with fingers to ensure a complete wash. Remove contact lenses, if it takes and it is easy. Continue rinsing

In case of projections or contact with the skin:

Immediately remove contaminated shoes or clothing, wash with abundant water and SOAP.

In case of ingestion: Rinse your mouth. Do not induce vomiting, unless directed by the center of Toxicology or a health care professional. Do not administer anything by mouth if the person is unconscious or convulsing



4.2. main symptoms and effects, acute and delayed

Symptoms of poisoning: irritation of eyes and skin. Disorder of the Central nervous system. Chemical pneumonia, aspiration

4.3 indication of medical attention and special treatments that need to be immediately dispensed

Support and symptomatic treatment. IF YOU NEED MEDICAL ADVICE, KEEP ON HAND THE LABEL OR CONTAINER AND CONSULT THE TOXICOLOGICAL INFORMATION SERVICE. Phone 91 562 04 20.

SECTION 5: FIRE-FIGHTING MEASURES

Non-flammable.

5.1. extinguishing media

Suitable extinguishing media : Using foam, powder, CO₂ or water spray fire-fighting

Unsuitable extinguishing media.: Do not use water jets to extinguish the fires, only to cool areas and close to the heat source packaging.

5.2. specific hazards arising from the substance or mixture

A fire often produces a thick black smoke. Exposure to decomposition products may cause health risks

Do not breathe fumes

In case of fire, it can be:

-carbon monoxide (CO)

-carbon dioxide (CO₂)

-(HCl) hydrogen chloride

5.3 recommendations for fire fighting personnel

Use masks with filters for organic products stand-alone equipment in enclosed premises.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8

You must not make any action involving a risk without adequate training or personal. Do not allow unnecessary and unprotected personnel. Do not touch or walk on the spilled material. Provide adequate ventilation. Use appropriate personal protective equipment (see section 8).

For first aid personnel

The staff's intervention will have personal protective equipment appropriate (see section 8).

6.2 precautions relating to the environment

Avoid dispersal of spilled material, your contact with the ground, the aquatic environment, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, channels, land or air).



6.3 methods and materials for containment and cleaning

Channel large quantities and collect them in containers; the rest pick up with absorbent material and dispose in accordance with local regulations in force. Wash small quantities with water. Remove the water used according to applicable local regulations.

6.4 reference to other sections

There is no data available.

SECTION 7: HANDLING AND STORAGE

The places of storage requirements apply to areas of work where the mixture is handled.

7.1 precautions for safe handling

Instructions for use: read the instructions before using the product. To apply the gel, remove the cover of the touch surface to be treated and lightly press the plunger with the tip of the nozzle. Reapply according to the remaining level of infestation and when the bait is no longer present in a visible manner. Replace the lid for storage of the product. Use only as a trafficking - spot lie in areas that will not be accessible or immerse in water and where the bait would be not removed by routine cleaning. To keep the palatability of the product, apply away from heat sources.

Localized application method: remove the CAP from the tip of the wand. Place the tip in the place where is going to apply the gel. Press the plunger until the proper amount is applied. Replace Cap when applying the gel is completed.

Crack and crevice application method: the bait gel should be applied directly into cracks and crevices where insects hide. Place the tip of the applicator directly into cracks and crevices and deposit the gel. The bait must be in the area of the hole and not in exposed or open surfaces. Do not pull the product in soil, in water courses, sink or drain.

Agencies target: German cockroach, oriental cockroach. Fields of use: use only inside: industrial/commercial premises. Homes/private areas. In buildings (such as hospitals or nursing homes). Application methods: localized application of bait gel (ready to use) in cracks and crevices. Dosage and frequency of application:

Application by bait of localized form 0.1 point gram (each point of application will contain 0,002 grams of denotefuran):

-Apply 2-4 points per m² for the small German cockroach (*Blattella germanica*).

-Apply 4-8 points per m² for large Oriental cockroach (*Blatta orientalis*)

Apply a maximum of 0.8 grams of product per m² for high or serious infestations: -up to 16 points in the treatment of a House. -Up to 72 points in the treatment of public buildings.

In case of high or severe infestation, a second application may be held after 7 days. Bait placement should be in or near areas where cockroaches gather, in cracks and crevices.

Measures of risk mitigation: preventing the access to the bait by children and animals. Do not use where you can contaminate a food, feed, or water. Wash hands and exposed skin before eating, and after its use. **KEEP IN A SAFE PLACE. KEEP out of the reach of children. NOT APPLY IN / OR AROUND DRAINS.** Do not apply this product in areas easily accessible to animals or children. **ONLY FOR INDOOR USE.** Baits should be well placed and willing so to minimize the risk of ingestion by animals or children.

**Fire prevention:**

Prohibit access to unauthorized persons.

Teams and best practices:

For individual protection, see section 8.

Observe the precautions listed on the label, as well as the protection of safety and prevention of labor risks regulations.

Prohibited procedures and equipment:

It is forbidden to smoke, eat and drink in the places where the mixture is used.

7.2 conditions of safe storage, including any incompatibilities

Store in the original container. Store in a cool, well ventilated place. Do not store exposed to sunlight directly. Protect from the frost. The product is stable for 2 years.

Packing

Always keep in original packaging.

7.3 specific end-uses

There is no data available.

SECTION 8: EXPOSURE CONTROLS/PROTECTION INDIVIDUAL**8.1. Control parameters****Occupational exposure limit values:**

Not applicable

8.2. Exposure controls**Individual protection measures, such as personal protective equipment**

Use clean personal protective equipment in good condition.

Store personal protective equipment in a clean place, away from the work area.

During use, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Provide adequate ventilation, especially in closed areas.

- Eye / face protection

Avoid contact with eyes

Use glasses or protective screen against drops and splashing liquids (UNE-EN 166)

- Protection of hands

Use suitable protective gloves resistant to chemical agents and conforming to EN374. The selection of gloves must be made according to the application and the duration of use in the workplace. Protective gloves should be chosen according to the workplace: if other chemical products can be handled, if physical protection is necessary (cuts, punctures, thermal protection).

Recommended features:

- Nitrile waterproof gloves conforming to the EN374 standard. (chemical risk cat III UNE-EN 374),

- Body protection

The staff's clothes should be washed regularly.

After contact with the product, all parts of the body that have become contaminated should be washed.

- Respiratory protection

Avoid inhalation of vapors

Type of mask Use a mask with filters for organic gases and vapors (type FFA1, FFA2, UNE EN 141)



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information

Appearance Physical State: Brown gel
Smell: Not available

Important information regarding health, safety and the environment:

Olfactory threshold:	Not available
pH:	4-6
Melting point / freezing point .:	Not available
Boiling point / range:	Not available
Flash point:	Not available.
Evaporation rate:	Not available.
Ignitability (solid / gas):	Not available.
Upper / lower flammability or explosive limits:	Not available.
Vapor pressure (50 ° C):	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility in water:	Insoluble.
partition coefficient: n-octanol / water:	Not available.
Autoignition temperature:	Not available.
Decomposition point / interval:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidizing properties:	Not available

9.2. Other data

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the handling and storage conditions recommended in section 7.

10.3. Possibility of dangerous reactions

No data available.

10.4. Conditions to avoid Avoid:

Avoid contact with acids, alkalis and oxidizing agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Thermal decomposition can cause / form:

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- Hydrogen chloride (HCl)



SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

Acute toxicity:

Oral Rats: LD50 > 2000 mg / kg

Dermal Rats: LD50 > 2000 mg / kg

11.1.2. Mixture

Acute toxicity: No data available.

Skin corrosion or irritation: No data available.

Serious eye injuries or eye irritation. No data available.

Cutaneous respiratory sensitization. No data available.

Mutagenicity in germ cells. No data available.

Carcinogenicity: No data available.

Reproductive toxicity No data available.

Specific toxicity in certain organs STOT- single exposure. No data available.

Specific target organ toxicity (STOT) repeated exposure: No data available.

Aspiration hazard No data available.

SECTION 12: ECOLOGICAL INFORMATION.

All product circulation in sewers or watercourses should be avoided

12.1. Toxicity

12.1.1. Substances:

Dinotefurán

LC50 fish (carp) > 100mg / l / 96h

LC50 saltwater fish 0.79mg / l / 96h

NOEC Chronic (Saltwater fish): 0.089mg / l (bluegill)

EC50 Crustacea > 1000 mg / l / 48h daphnia magna

EC50 Algae / aquatic plants: > 100 mg / L / 72h Pseudokirchneriella subcapitata

12.1.2. Mixtures

There is no information available on the aquatic toxicity of the mixture.

12.2. Persistence and degradability

12.2.1. Substances

Biodegradation: no data available on degradability. The substance is considered as not degrading rapidly.

12.3. Bioaccumulation potential

No data available.

12.4. Mobility in the soil

No data available.

12.5. Results of PBT and vPvB assessment

Undetermined

12.6. Other adverse effects

No data available.



SECTION 13: CONSIDERATIONS RELATED TO ELIMINATION

Appropriate management of the waste of the mixture and / or its packaging must be carried out in accordance with the provisions of Directive 2008/98 / EC.

13.1. Methods for waste treatment

Do not pour into sewers or watercourses

Waste:

The management of waste is carried out without endangering human health and without harming the environment, and especially without creating risks for water, air, soil, fauna or flora.

Recycle or eliminate them according to the legislation in force, preferably by a waste manager or an authorized company.

Do not contaminate the soil or water with the waste, and do not eliminate it in the environment.

Contaminated packaging

Empty the container completely. Keep the label (s) in the container.

Deliver to an authorized manager.

SECTION 14: INFORMATION CONCERNING TRANSPORTATION

Preparation exempt from classification and labeling Transport (ADR, RID, IMDG, IATA.)

14.1. UN number

UN3077

14.2. Official transportation designation of the United Nations

Solid substance potentially dangerous for the environment (they contain dinotefuran)

14.3. Class (s) of danger for transport

9

14.4. Packing group

III

14.5. Dangers for the environment

Dangerous for the environment

14.6. Particular precautions for users

SECTION 15: REGULATORY INFORMATION

15.1. Regulation and legislation on safety, health and the environment specific for the substance or mixture

-Information concerning classification and labeling in section 2:

The following regulations have been taken into account: Regulation (EC) n ° 1272/2008 and its subsequent amendments.

-Information relative to packaging:

No data available.

- Particular provisions:

No data available.

- Labeling of biocides:

Label elements

The mixture is a biocidal product (see section 15).

In accordance with the regulation (CE) n ° 1272/2008 and its adaptations.

Product identifiers:

Pictograms



Word of warning: -----.

Indications of danger:

H410 Toxic to aquatic organisms, with lasting effects.

Precautionary statements - General nature:

Precautionary statements - Elimination:

P273 Avoid release to the environment.

P391 Collect the spill.

P501 Dispose of contents and / or their container in accordance with the regulations on hazardous waste.

15.2. Chemical safety assessment

No data available



SECTION 16: OTHER INFORMATION

Given that we do not know the working conditions of the user, the information contained in this safety data sheet will be based on the state of our knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having previously obtained written handling instructions.

The user is fully responsible for taking all necessary measures to meet the requirements of local laws and regulations.

The information indicated in this safety data sheet should be considered as a description of the safety requirements related to this mixture and not as a guarantee of the properties of the mixture.

Text of the phrases mentioned in section 3:

H400 Toxic to aquatic organisms, with lasting effects.

H410 Very toxic to aquatic organisms, with long-lasting effects.

Abbreviations:

ADR: European Agreement concerning the international transport of dangerous goods by road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

RID: Regulations concerning the International carriage of Dangerous goods by rail.


PBT: Persistent, bioaccumulative and toxic.

vPvB: Very persistent and very bioaccumulative.

SVHC: Substances of extreme concern.

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