

Safety Data Sheet

Issue Date: 12-Jan-2015

Revision Date: 26-Feb-2015

Version: 3

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

1.1. Product identifier

Product Name:

Exemptor

Product Code

P50061

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

Recommended Use: Insecticide.

Uses Advised Against: Consumer use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Everris International BV

Nijverheidsweg 1-5; 6422 PD Heerlen (NL); Tel: +31 (0) 45-5609100; Fax: +31 (0) 45-5609190

For further information, please contact

INFO-MSDS@EVERRIS.COM

1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

Carcinogenicity:	Category 2 - (H351)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

2.2. Label elements

Product Identifier:

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]



Signal Word:

None

Thiacloprid

EUH208 - Contains (1,2-Benzisothiazolin-3-one, 5-chloro-2-methyl-isothiazol-3-one/2-methylisothiazol-3-one.). May produce an allergic reaction

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P501 - Dispose of container in accordance with local regulation

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Ingredients	EC-No.	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Thiacloprid	601-147-9	111988-49-9	10 - 25%	Carc. 2 (H351) Repr. 1B (H360FD) Acute Tox. 3 (H301) Acute Tox. 4 (H332) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
1,2-Benzisothiazolin-3-one	220-120-9	2634-33-5	< 0.1%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	no data available
Mixture of 5-chlor-2-methyl-3(2H)-isothiazolon and 2-methyl-2H-isothiazol-3-on	NE	55965-84-9	< 0.1%	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available

Full text of H- and EUH-phrases: see section 16**Section 4: FIRST AID MEASURES****4.1. Description of first aid measures**

General Advice:	First aid measures should be executed by trained personnel only. Move victim to a safe isolated area.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Skin Contact:	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Immediate medical attention is required.
Ingestion:	Do NOT induce vomiting. Rinse mouth. Call a physician or Poison Control Centre immediately.
Protection of First-Aiders:	Low hazard for usual industrial or commercial handling.

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

Symptoms:

- respiratory paralysis
- Diarrhoea
- Nausea, vomiting
- Dizziness
- bradycardia
- Tachycardia
- Salivation
- Headache
- Confusion
- excitation
- coma

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician:

Treatment:
Elementary aid, decontamination and symptomatic treatment.
Gastric lavage, then charcoal, (carbo medicalise) and sodium sulfate.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Coordinate fire extinguishing measures to fire in surrounding area. Use dry chemical, CO₂, water spray or "alcohol" foam.

Unsuitable extinguishing media:

High volume water jet.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters

Coordinate fire extinguishing measures to fire in surrounding area.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Avoid contact with skin, eyes and clothing.

For Emergency Responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not contaminate surface water. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleanup: Use mechanical handling equipment. Clean contaminated surface thoroughly. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

§ 8, 12, 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/storage conditions:

Store in original container. Store in a place accessible by authorised persons only. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

LGK (Germany)
Packaging Materials:

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Bags or Bulk.

7.3. Specific end use(s)

Specific use(s)

Insecticide; Read and follow label instructions

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Mixture of 5-chlor-2-methyl-3(2H)-isothiazolon and 2-methyl-2H-isothiazol-3-on

Austria

Skin
TWA: 0.05 mg/m³

Derived No Effect Level (DNEL)

No data available

Predicted No Effect Concentration (PNEC)

No data available.

8.2. Exposure controls

Engineering Measures to Reduce Exposure:

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection:

Tightly fitting safety goggles

Hand protection:

Protective gloves. Nitrile rubber (0.26 mm).

Respiratory Protection:

In case of insufficient ventilation wear suitable respiratory equipment. Respirator with FFP1 filter.

Skin and Body Protection:

Coveralls

Hygiene Measures:

Avoid contact with skin and eyes. Wash hands and exposed skin after use / handling. Remove and wash contaminated clothing before re-use.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State:

Solid

Appearance:

granulate

Color:

beige.

Odor:

Slight characteristic

pH:

6.7 @ 21 °C

Melting Point/Freezing Point:

no data available

Boiling Point/Range:

Solid, Not Applicable

Flash Point:

Solid, Not Applicable

Evaporation Rate:

Solid, Not Applicable

Flammability (solid, gas):

Non-flammable

Vapor Pressure:

Solid, Not Applicable

Vapor Density:

Solid, Not Applicable

Specific Gravity:

no data available

Water Solubility:

Soluble in water

Solubility(ies)

no data available

Partition Coefficient:

Solid, Not Applicable

Autoignition Temperature:

382 °C

Decomposition Temperature:

no data available

Explosive Properties:

Doesn't present explosion hazard. Based on data of ingredients.

9.2. Other information

Bulk density: no data available

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Not reactive.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions**Hazardous Decomposition Products:**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Possibility of Hazardous Reactions:

None under normal processing.

10.4. Conditions to avoid

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute Toxicity****Product Information:**

Inhalation: May cause irritation of respiratory tract.
Eye Contact: May cause irritation.
Skin Contact: May cause irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

LD50/oral: Rat > 2500 mg/kg

LD50/dermal: Rat > 2000 mg/kg

Component Information:

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Thiacloprid			= 1223 mg/m ³ (Rat) 4 h
1,2-Benzisothiazolin-3-one	= 1020 mg/kg (Rat)		

Skin Corrosion or Irritation**Serious Eye Damage or Eye Irritation****Sensitization****Mutagenic effects****Carcinogenicity**

Not irritating.
 Slight irritation.
 See also section 3.
 Not considered to be mutagenic.
 Thiacloprid caused at high dose levels an increased incidence of tumours in rats in the following organ(s): uterus, thyroid. Thiacloprid caused at high dose levels an increased incidence of tumours in mice in the following organ(s): ovaries. The tumours seen with Thiacloprid were caused through a non-genotoxic mechanism, which is not relevant at low doses. The mechanism that triggers tumours in rodents is not relevant for the low exposures encountered under normal use conditions.

Reproductive Toxicity

Thiacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. Thiacloprid caused difficulties in parturition in rats. The mechanism of action for this effect is not considered to be relevant to man.

Teratogenicity**STOT - Single Exposure****STOT - Repeated Exposure****Aspiration Hazard**

No known effects under normal use conditions.

No known effects under normal use conditions.

None under normal use conditions.

None under normal use.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Do not allow product to enter the environment uncontrolled.

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Ingredients	Algae/aquatic plants	Fish	Crustacea
Thiacloprid	IC50 (Desmodesmus subspicatus) 96.7 mg/l Growth rate; Exposure time: 72 h	LC50 (Lepomis macrochirus (Bluegill sunfish)) 25.2 mg/l Exposure time: 96 h	EC50 (Water flea (Daphnia magna)) >= 85.1 mg/l Exposure time: 48 h EC50 (Chironomus riparius (non-biting midge)) 0.00218 mg/l Exposure time: 28 d

12.2. Persistence and degradability

Not rapidly degradable.

12.3. Bioaccumulative potential

Ingredients	LOGPOW
1,2-Benzisothiazolin-3-one	1.3

12.4. Mobility in soil

Not expected to adsorb on soil.

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6. Other adverse effects

No data available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods**Disposal of Wastes:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging:

Do not re-use empty containers. Dispose of as unused product.

Other Information:

Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

IMO / IMDG**14.1****UN-No:**

3077

14.2**Proper shipping name:**

Environmentally Hazardous Substance Solid N.O.S.
(THIACLOPRID MIXTURE)

14.3

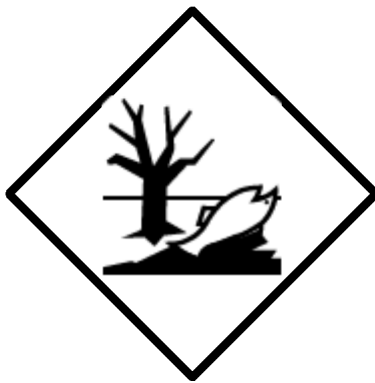
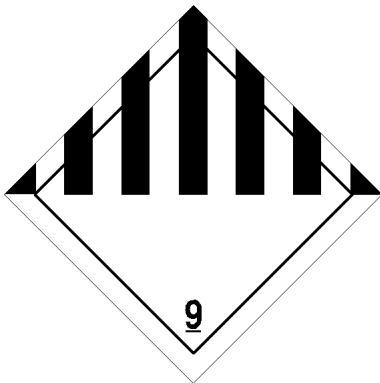
Hazard Class: 14.4	9
Packing group: 14.5	III
Marine Pollutant: 14.6	This material meets the definition of a marine pollutant
Special Provisions 14.7	274, 335, 966, 967, 969
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated

ADR/RID

14.1	3077
UN-No: 14.2	
Proper shipping name:	Environmentally Hazardous Substance Solid N.O.S. (THIACLOPRID MIXTURE)
14.3	
Hazard Class: 14.4	9
Packing group: 14.5	III
Environmental Hazard 14.6	Not regulated
Special Provisions	274
Tunnel restriction code	E
Limited Quantity	5 kg

IATA

14.1	3077
UN-No: 14.2	
Proper shipping name:	Environmentally Hazardous Substance Solid N.O.S. (THIACLOPRID MIXTURE)
14.3	
Hazard Class: 14.4	9
Packing group: 14.5	III
Environmental Hazard 14.6	Not regulated
Special Provisions	A97, A158



Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**National regulations**BelgiumDenmark

Danish Sikkerhedsgruppe

Not regulated

France

ICPE

Not Applicable

Germany

Gefahrstoffverordnung (Germany) TRGS 511

No information available

LGK (Germany)

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Water Endangering Class (WGK):

2 (Everris classification)

Component	German WGK Section
1,2-Benzisothiazolin-3-one 2634-33-5 (< 0.1%)	class 2
Mixture of 5-chlor-2-methyl-3(2H)-isothiazolon and 2-methyl-2H-isothiazol-3-on 55965-84-9 (< 0.1%)	class 3

European Union

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

UK and Northern Ireland Regulatory References

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)

Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)

Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009

Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)

EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits

Control of Pesticide Regulations 1986

Dangerous Substances and Explosive Atmospheres Regulations 2002

Environmental Protection Act 1990, Part II

Environmental Protection (Duty of Care) Regulations 1991

The Waste Management Licensing Regulations 1994 (as amended)

Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)

Landfill Directive

Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

Water Resources Act 1991

Anti-Pollution Works Regulations 1999

WHO-classification: III (Slightly hazardous)

15.2 Chemical safety assessment

Not required. Substance(s) usage is covered according to Reach regulation 1907/2006.

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H301 - Toxic if swallowed
H332 - Harmful if inhaled
H351 - Suspected of causing cancer
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H317 - May cause an allergic skin reaction
H331 - Toxic if inhaled
H301 + H311 - Toxic if swallowed or in contact with skin
H314 - Causes severe skin burns and eye damage

Key or legend to abbreviations and acronyms used in the safety data sheet

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
ICAO: International Civil Aviation Organization
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PNEC: Predicted No Effect Concentration
DNEL: Derived No-Effect Level
Reach: Registration, Evaluation, authorization of Chemicals
CLP: EU-GHS; Classification, Labelling and Packaging
OEL: Occupational Exposure Limit
TWA: Time Weighted Average
ATE: Acute Toxicity Estimate
EUH statement: CLP (EU) specific hazard statement.

Classification procedure:

- Calculation method
- Expert judgment and weight of evidence determination

Key literature references and sources for data

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 453/2010. Regulation (EC) No 1272/2008.

Prepared by:

Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

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Reason for revision:

*** Indicates changes since the last revision. This version replaces all previous versions.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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End of Safety Data Sheet