



**ZOBELE
GROUP**

**Safety Data Sheet
NEXIS COILS**



Safety Data Sheet dated 24/3/2016, version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: NEXIS COILS

Trade code: ZSDS59875

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

1.3. Details of the supplier of the safety data sheet

Company: ZOBELE HOLDING S.p.A

Via Fersina 4 38123 - Trento (Italy)

ZOBELE HOLDING S.p.A - Phone n.+390461/303700 (Working hours)

Competent person responsible for the safety data sheet: info@zobe.com

1.4. Emergency telephone number

ZOBELE HOLDING S.p.A - Phone n.+390461/303700 (Working hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects: No other hazards

2.2. Label elements

Hazard pictograms:



Hazard statements: H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions: None

Special provisions according to Annex XVII of REACH and subsequent amendments: None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:



**ZOBELE
GROUP**

**Safety Data Sheet
NEXIS COILS**

Qty	Name	Ident. Number	Classification
>= 0.5% - < 1%	Bht; 2,6-di-tert-butyl-4-methylp henol	CAS: 128-37-0 EC: 204-881-4 01-2119480433-4 0	4.1/A1 Aquatic Acute 1 H400 M=1 4.1/C1 Aquatic Chronic 1 H410
>= 0.25% - < 0.5%	benzoic acid	CAS: 65-85-0 EC: 200-618-2	3.2/2 Skin Irrit. 2 H315 3.3/1 Eye Dam. 1 H318
>= 0.1% - < 0.25%	[4-[[4-(diethylamino)phenyl]p henylmethylene]-2,5-cyclohe xadien-1-ylidene]diethylamm onium acetate	CAS: 76994-37-1 EC: 278-585-9	3.1/4/Oral Acute Tox. 4 H302 3.3/1 Eye Dam. 1 H318 4.1/A1 Aquatic Acute 1 H400 4.1/C1 Aquatic Chronic 1 H410
>= 0.01% - < 0.1%	d-trans Allethrin (esbiothrin);(RS)-3-allyl-2-m ethyl-4-oxocyclopent-2-enyl (1R,3R)-2,2-dimethyl-3-(2-m ethylprop-1-enyl)cyclopropan ecarboxylate	CAS: 260359-57-7 EC: 209-542-4	3.1/4/Inhal Acute Tox. 4 H332 3.1/4/Oral Acute Tox. 4 H302 4.1/A1 Aquatic Acute 1 H400 M=100. 4.1/C1 Aquatic Chronic 1 H410 M=100.
>= 0.01% - < 0.1%	acetic acid	Index number: 607-002-00-6 CAS: 64-19-7 EC: 200-580-7 REACH No.: 01-2119475328-3 0	2.6/3 Flam. Liq. 3 H226 3.2/1A Skin Corr. 1A H314
>= 0.01% - < 0.1%	hydrogen chloride	Index number: 017-002-00-2 CAS: 7647-01-0 EC: 231-595-7 REACH No.: 01-2119484862-2 7, 01-21194848	2.16/1 Met. Corr. 1 H290 3.1/3/Inhal Acute Tox. 3 H331 3.2/1A Skin Corr. 1A H314 3.8/3 STOT SE 3 H335

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None



**ZOBELE
GROUP**

**Safety Data Sheet
NEXIS COILS**

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Suitable extinguishing media:
 - Water.
 - Carbon dioxide (CO₂).
 - Extinguishing media which must not be used for safety reasons:
 - None in particular.
- 5.2. Special hazards arising from the substance or mixture
 - Do not inhale explosion and combustion gases.
 - Burning produces heavy smoke.
- 5.3. Advice for firefighters
 - Use suitable breathing apparatus .
 - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 - Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove all sources of ignition.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Adequately ventilated premises.
- 7.3. Specific end use(s)



None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bht; 2,6-di-tert-butyl-4-methylphenol - CAS: 128-37-0

ACGIH - LTE(8h): 2 mg/m³ - Notes: A4, (IFV) - URT irr

d-trans Allethrin (esbiothrin);(RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl

(1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 260359-57-7

TLV TWA - UK - 8 hour: 3,8 mg/mq

acetic acid - CAS: 64-19-7

EU - LTE(8h): 25 mg/m³, 10 ppm

ACGIH - LTE(8h): 10 ppm - STE: 15 ppm - Notes: URT and eye irr, pulm func

hydrogen chloride - CAS: 7647-01-0

EU - LTE(8h): 8 mg/m³, 5 ppm - STE: 15 mg/m³, 10 ppm - Notes: Bold-type:

Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

ACGIH - STE: C 2 ppm - Notes: A4 - URT irr

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Green mosquito coil weighing about 11,5g	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing	N.A.	--	--



**ZOBELE
GROUP**

**Safety Data Sheet
NEXIS COILS**

point:			
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Solubility in water:	Slight soluble	--	--
Solubility in oil:	Practically insoluble	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

ZSDS59875/2

Page n. 5 of 9



**Safety Data Sheet
NEXIS COILS**

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

Bht; 2,6-di-tert-butyl-4-methylphenol - CAS: 128-37-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

benzoic acid - CAS: 65-85-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2565 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LD50 - Route: Inhalation - Species: Rat > 12.2 mg/l - Duration: 4h

d-trans Allethrin (esbiothrin);(RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 260359-57-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 350 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 2.63 mg/l - Duration: 4h

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Bht; 2,6-di-tert-butyl-4-methylphenol - CAS: 128-37-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.464 mg/l - Duration h: 96 - Notes: ECOSAR

Endpoint: EC50 - Species: Daphnia = 0.84 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.577 mg/l - Duration h: 72 - Notes: ECOSAR
Green algae

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 0.053 mg/l - Notes: ECOSAR

Endpoint: NOEC - Species: Daphnia = 0.061 mg/l - Notes: ECOSAR

Endpoint: NOEC - Species: Algae = 0.363 mg/l - Notes: ECOSAR

benzoic acid - CAS: 65-85-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 500 mg/l - Duration h: 24 - Notes: metodo test
OECD 202



**Safety Data Sheet
NEXIS COILS**

- Endpoint: EC50 - Species: Algae > 33.1 mg/l - Duration h: 3
Endpoint: LC50 - Species: Fish = 44.6 mg/l - Duration h: 96
d-trans Allethrin (esbiothrin);(RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 260359-57-7
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 0.0089 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 0.013 mg/l - Duration h: 96
- 12.2. Persistence and degradability
None
N.A.
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
ADR-UN number: 3077
IATA-Un number: 3077
IMDG-Un number: 3077
- 14.2. UN proper shipping name
ADR-Shipping Name: Environmentally hazardous substance, solid, N.O.S (d-trans Allethrin). Limited quantity
IATA-Technical name: Environmentally hazardous substance, solid, N.O.S (d-trans Allethrin). Limited quantity
IMDG-Technical name: Environmentally hazardous substance, solid, N.O.S (d-trans Allethrin). Limited quantity
- 14.3. Transport hazard class(es)
ADR-Class: 9
IATA-Class: 9
IMDG-Class: 9
- 14.4. Packing group
ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III
- 14.5. Environmental hazards
Marine pollutant: Marine pollutant
- 14.6. Special precautions for user
IMDG-Technical name: Environmentally hazardous substance, solid, N.O.S (d-trans Allethrin). Limited quantity



**ZOBELE
GROUP**

**Safety Data Sheet
NEXIS COILS**

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: E2

15.2. Chemical safety assessment
No

SECTION 16: Other information

Text of phrases referred to under heading 3:

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H290 May be corrosive to metals.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

Paragraphs modified from the previous revision:

SECTION 3: Composition/information on ingredients

SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information

SECTION 12: Ecological information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold



**ZOBELE
GROUP**

**Safety Data Sheet
NEXIS COILS**

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This MSDS cancels and replaces any preceding release.