



LUXEMBOURG

# SAFETY DATA SHEET

Issue date: 09/11/2020

## 1. Identification of the substance or mixture and of the supplier

**Product name:** APIRAZ  
**Supplier:** Luxembourg Industries Ltd.  
27 Hamered St. Tel Aviv 6812509  
ISRAEL Tel: +972 3 796 4300  
**Recommended use:** Acaricide  
Acaricide bait, ready to use  
**Emergency phone number:** +972 3 796 4300

## 2. Hazards identification

**Classification of the product according to the Global Harmonized System of Classification and Labelling of chemicals (GHS).**

**Hazard classification:** Acute toxicity-Skin sensitization Category 1  
STOT RE Category 2  
Hazardous to the aquatic environment  
Acute hazard Category 1  
Long term hazard Category 1

**Label elements:** Pictogram:



Signal word: Warning

**Hazard statement(s):** H317 May cause an allergic skin reaction  
H373 May cause damage to the nervous system through prolonged or repeated exposure  
H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statement(s):

**Prevention:** P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.  
P273 Avoid release to the environment.

**Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P33 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 + P 364 Take off contaminated clothing and wash it before reuse.  
P314 Get medical advice/attention if you feel unwell.  
P391 Collect spillage.

**Storage:** No storage statement required.

APIRAZ SDS

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**LUXEMBOURG INDUSTRIES LTD**

27 Hamered St. Tel Aviv 6812509, P.O. Box 13 Tel Aviv 6100001, ISRAEL

Tel: +972 3 796 4300 ■ Fax: +972 3 510 0474 ■ E-mail: main@luxembourg.co.il ■ www.luxpam.com

Disposal: P501 Dispose contents/container in accordance with local regulations.

**Hazards Not**

**Otherwise Classified:** Not known.

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**3. Composition/information on ingredients**

Chemical identity,  
Common name: Amitraz  
Chemical name: N,N'-[(methylimino)dimethylidyne]di-2,4-xylylidine (IUPAC)  
Chemical formula: C<sub>19</sub>H<sub>23</sub>N<sub>3</sub>  
CAS No.: 33089-61-1  
EC No.: 251-375-4  
Content: 0.6 gram/stick (about 11% w/w)  
Classification CLP (R1272/2008) Acute Tox. 4, H302, Harmful if swallowed.  
Skin Sens. 1, H317, May cause an allergic skin reaction.  
STOT RE 2, H373, May cause damage to the nervous system through prolonged or repeated exposure.  
Aquatic Acute 1, H400, Very toxic to aquatic life. (M10)  
Aquatic Chronic 1, H410, Very toxic to aquatic life with long lasting effects.

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**4. First aid measures**

Ingestion: Call a poison center or doctor if you feel unwell. Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim from exposure by moving to an area of fresh air. If breathing is difficult or absent, send for immediate medical attention. If breathing has stopped, artificial respiration should be started by qualified personnel. Call a poison center or doctor if you feel unwell.

Eyes: Immediately flush with water for at least 15 minutes, hold eyelids open to ensure adequate flushing of the entire eye. If irritation or discomfort develops, seek medical attention.

Skin: Wash affected area with soap and water. If irritation, rash or discomfort develops, seek medical attention.

**Most important symptoms and effects, both acute and delayed:**

In a human study, acute exposure to amitraz was associated with central nervous system (CNS) toxicity symptoms of sedation, disorientation, and hypothermia.

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## 5. Fire-fighting measures

Suitable extinguishing media:	Suitable extinguishing media are: powder, foam, carbondioxide or water spray (do not use direct jet of water).
Specific hazards arising from the chemical:	Amitraz decomposes on burning. Toxic fumes including nitrogen oxides may be generated in fire situations.
Special protective equipment and precautions for fire-fighters:	Fire-fighting personnel must wear pressure-demand, self contained breathing apparatus (SCBA) for all indoor fires and significant outdoor fires.

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## 6. Accidental release measures

Environmental precautions:	Do not apply directly to water. Do not discharge into drains/surface waters/groundwater. Do not contaminate water by cleaning of equipment or disposal waste. Do not contaminate waters used for domestic purposes, or by wildlife, including aquatic life, or for irrigation
Methods and materials for containment and cleaning up:	Pick up the bait mechanically, wear appropriate gloves then shovel the solid product into a container suitable for its recovery or disposal. Store the container in separate area until proper disposal. Flush residue with water.

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## 7. Handling and storage

Precautions for safe handling:	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid release to the environment.
Conditions for safe storage:	Store in a dry, cool place. Keep the product in the original container away from food, animal foodstuffs and out of reach of children. Keep away from open fire and sparks. Store the product in its original package in a safe place.

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## 8. Exposure controls / Personal protection

Occupational exposure limits:	OSHA PEL-TWA: Not established OSHA California/PEL-TWA: Not established ACGIH (2015) TLV-TWA: Not established
Personal protective equipment:	Long sleeve shirt, long pants, boots, chemical resistant gloves, dust or mist respirator, and protective eyewear.

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## 9. Physical and chemical properties

Appearance:	Wood stick impregnated with 0.6 gram amitraz
Odour:	Not available
pH-value:	Not available
Melting point/freezing point:	86 °C*
Boiling point:	Not relevant
Evaporation rate:	Not available
Flash point:	Not available
Flammability:	Wood stick
Vapour pressure:	$3.8 \times 10^{-7}$ mm Hg at 20°C*
Vapour density:	Not available
Density:	Not relevant
Solubility in water:	Less than 1 mg/L at room temperature *
Solubility in organic solvents:	666 g/l in xylene, 500 g/L in acetone, and 23.8 g/L in methanol*
Partition coefficient n-octanol/water:	Log Pow 5.50*
Ignition temperature:	Not available
Decomposition temperature:	Amitraz decomposes on burning. situations.
Viscosity:	Not available

\* For amitraz technical grade

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## 10. Stability and reactivity

Reactivity:	No data available.
Chemical stability:	Amitraz is relatively stable to heating.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Open flame and sparks.
Incompatible materials:	Incompatible with alkaline materials.
Hazardous decomposition products:	No data available

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## 11. Toxicological information\*

### Acute toxicity

Oral LD <sub>50</sub> (rat):	650 mg/kg
Dermal LD <sub>50</sub> (rat):	> 1600 mg/kg
Inhalation LC <sub>50</sub> (6 hr rat, dust):	65 mg/L

### Serious eye damage/irritation

Eye irritation (rabbit):	Minimal or slight conjunctival irritation.
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### Skin corrosion/irritation

Skin irritation (rabbit):	Not irritant.
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<b>Respiratory or skin sensitization</b>	
Dermal sensitization (guinea pig):	Not a contact sensitizer.
<b>Germ cell mutagenicity</b>	Unlikely to be genotoxic.
<b>Carcinogenicity</b>	Unlikely to be carcinogenic.
<b>Reproductive toxicity:</b>	Not available
<b>STOT single exposure:</b>	Not available
<b>STOT repeated exposure:</b>	Amitraz may cause effects on the central nervous system and cardiovascular system.
<b>Aspiration hazard:</b>	Not available

\* For amitraz technical grade

## 12. Ecological information\*

### Ecotoxicity:

#### Birds:

Bobwhite quail LD <sub>50</sub> :	788 mg/kg
Japanese quail LC <sub>50</sub> (8d):	1800 mg/kg

#### Fish:

Rainbow trout LC <sub>50</sub> (96 h):	0.74 mg/L
Bluegill sunfish LC <sub>50</sub> (96 h):	0.45 mg/L

#### Crustacean:

<i>Daphnia</i> LC <sub>50</sub> (48 h):	0.035 mg/L
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#### Algae:

<i>Selenastrum capricornutum</i> EC <sub>50</sub> :	> 12 mg/L
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#### Bees:

Contact LD <sub>50</sub> :	50 µg/bee
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### Persistence and degradability:

Rapidly broken down in soil under aerobic conditions. DT<sub>50</sub> in soil <1 d. Degradation occurs more rapidly in acid than in neutral or alkaline soils.

### Bioaccumulative potential:

Minimal.

### Mobility in soil:

Low mobility, very strongly adsorbed to soil; K<sub>oc</sub> c. 1000–2000.

### Other adverse effects:

Not available.

\* For amitraz technical grade

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### 13. Disposal considerations

Dispose of in accordance with local regulations.

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### 14. Transport information

UN No.: 3077  
Transport hazard class: 9  
Packaging group: III  
Proper shipping name: Environmentally hazardous substance, solid, N.O.S. (amitraz).  
  
Marine pollutant: Yes

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### 15. Regulatory information

This data sheet complies with the requirements of the Global Harmonized System of Classification and Labelling of chemicals (GHS).

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### 16. Other information

*The information contained herein is applicable solely to the indicated product, and does not relate to any other use of this product as described. Its use is intended by persons having technical skill and at their own discretion and risk. The information has been developed from sources reliable. This information is furnished without warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose is made with respect to the information contained herein.*

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