

Guardian Angel Self Defense unit**Guardian Angel Self Defense Unit**

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

- 1.1 Product identifier**
Name of Product Guardian Angel Self Defense Unit
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified uses
- Sector of uses (SU)**
SU22 – Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- Product categories (PC)**
Product for self defense
- Recommended intended purpose(s)**
Self defense
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer/distributor** Piexon AG
Bützbergstrasse 1, CH-4912 Aarwangen
Phone +41 (0) 62 919 91 00
Internet www.piexon.com
- Advice** This number is only available during office hours
Phone +41 (0) 62 919 91 00
E-mail (competent person)
postmaster@piexon.com
- 1.4 Emergency Telephone number** 145
- Emergency advice** Swiss toxicological Information Center
Phone 145/ +41 44 251 51 51

Section 2: Hazards Identification**2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) N° 1272/2008 (CLP/GHS)

| Hazard classes and Hazard Categories | Hazard Statements | classification procedure |
|--------------------------------------|-------------------|--------------------------|
| Acute Tox. 4 | H302 | |
| Acute Tox. 4 | H332 | |
| Skin Irrit. 2 | H315 | |
| Eye Irrit. 2 | H319 | |

Hazard statements for health hazards

| | |
|-------------|-------------------------------------|
| H302 + H332 | Harmful if swallowed or if inhaled. |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |

Additional hints

The classification is according to the latest editions of the EU-lists, and extended by company and literature data. This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

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GHS07

Signal word

Warning

Hazard statement for health hazards

H302 + H332 Harmful if swallowed or if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statements**General**

P102 Keep out of reach of children.
P103 Read label before use.

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor/if you feel unwell.

Disposal

P501 Contents / container hand over to an approved waste disposal facility.

Hazardous ingredients for labeling

Benzyl-alcohol, Capsicum annum, ext.

2.3 Other hazards**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Section 3 Composition/information on Ingredients

3.1 Substances
not applicable

3.2 Mixtures/Hazardous ingredients

| CAS No | EC No | Name | [%] |
|------------|-----------|--------------------|------------|
| 100-51-6 | 202-859-9 | benzyl-alcohol | approx. 89 |
| 84625-29-6 | 283-403-6 | Capsicum annum ext | approx. 1 |

Classification according to Regulation (EC)
No 1272/2008 [CLP/ GHS

**Acute Tox. 4, H332 / Acute Tox. 4, H302
Acute Tox. 4, H302 / Skin Irrit. 2, H315 /
Eye Irrit. 2, H319 / STOT SE 3, H335**

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Hazardous ingredients (continued)

| CAS No | EC No | Name | [%] | Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS] |
|-----------|-------|--------------------|------------|--|
| 8023-77-6 | | Capsicum oleoresin | approx. 10 | Skin irrit. 2, H315 / STOT SE. 2, H335 |

Section 4 First aid measures**4.1 Description of first aid measures
General information**

Remove contaminated soaked clothing immediately and dispose it safely.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

If intensive inhalation of dust seek medical treatment immediately.

In the event of symptoms refer for medical treatment.

In case of respiratory standstill give artificial respiration by respirator and send for a doctor.

In case of skin contact

In case of contact with skin wash off with soap and water. Consult a doctor if skin irritation persists.

In case of eye contact

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label. Rinse out mouth thoroughly with water.

Give plenty of water to drink in small sips.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed

No information available

Section 5 Firefighting measures**5.1 Extinguishing media
Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

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5.2 Special hazards arising from the substance of mixture

In case of fire formation of dangerous gases possible. In the event of fire the following can be released: Carbon monoxide (CO)
Carbon dioxide (CO₂)

5.3 Advice for fire-fighters**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply (isolated)

Additional information

Cool endangered containers with water spray jet.

Section 6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.
Ensure adequate ventilation.
Use personal protective clothing.

6.2 Environmental precautions

Inform responsible authority with penetration in waters or drains. Do not discharge into the drains/surface waters/groundwater.

6.3 Method and material for containment and cleaning

Send in suitable containers for recovery or disposal.
Take up with absorbent material (e.g. general-purpose binder). Flush away residues with water.
After taking up the material dispose according to regulation.

Additional information

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8. Informations for disposal see chapter 13.

6.4 Reference to other sections

No information available

Section 7 Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes.
Use personal protective clothing.
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.
Care for suitable extraction / ventilation at processing machines.

General protective measures

Avoid contact with eyes and skin

Hygiene measures

At work do not eat, drink and smoke.
Keep away from food and drink.
Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in closed original container.

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Advice on storage compatibility

Do not store together with food.
Do not store together with oxidizing agents.

Further information on storage conditions

Protect from frost.
Protect from atmospheric moisture and water
Keep container dry, tightly closed and store at cool (**not over 40° C/ 104°F**) and aired place.

7.3 Specific end use(s)

No information available.

Section 8 Exposure controls/Personal protection

8.1 Control parameters

Additional advice

Components with specific control parameters: Inexistent

8.2 Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus. Breathing apparatus in the event of aerosol or mist
Multi-purpose filter ABEK/P3

Hand Protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: nitrile rubber or butyle rubber; 0,5 mm; ca 480 Min.

Wear Category III (EN 374) chemical protective gloves made of butyl rubber or nitrile rubber.

Please observe the glove manufacturer's instructions on permeability and ruptur times as well as the specific workplace conditions.

Chemical-resistant gloves

Eye protection

tightly fitting goggles

Other protective measures

protective overalls

Appropriate engineering controls

Avoid contact with skin and eyes.

Care for thorough room ventilation, if necessary provide local air ventilation.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Appearance | Colour | Odour |
|------------|--------|----------------|
| Liquid | red | characteristic |

Odour threshold

Not determined

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Important health, safety and environmental information

| | Value | Temperature at | Method | Remark |
|--|----------------|----------------|----------|----------------------|
| pH value | not determined | | | |
| Boiling point | 205° C | | | |
| Melting point / Freezing point | not determined | | | |
| Flash point | not determined | | | |
| Vapourisation rate | not determined | | | |
| Flammable (solid) | not determined | | | |
| Flammability (gas) | not determined | | | |
| Ignition temperature | not determined | | | |
| Self ignition temperature | not determined | | | |
| Lower explosion limit | not determined | | | |
| Upper explosion limit | not determined | | | |
| Vapour pressure | not determined | | | |
| Relative density | not determined | | | |
| Vapour density | not determined | | | |
| Solubility in water | 36g/l | 20°C | | |
| Solubility/other | | | aromates | freely miscible with |
| Partition coefficient n- octanol/water (log P O/W) | not determined | | | alcohol |
| Decomposition temperature | not determined | | | |
| Viscosity | not determined | | | |

Oxidising properties

No information available

Explosive properties

No information available

9.2 Other information

No information available

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Section 10 Stability and reactivity**10.1 Reactivity**

No hazardous reactions known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

No decomposition if used as directed.

10.5 Incompatible materials**Substances to avoid**

Reactions with oxidising agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

Section 11 Toxicological Information**11.1 Information on toxicological effects****Acute toxicity/Irritation/Sensitization**

| | Value/Validation | Species | Method | Remark |
|-----------------------|---------------------------------------|---------|--------|--------|
| LD50 acute oral | 1230 mg/kg | rat | | |
| LD50 acute dermal | 2000 mg/kg | rabbit | | |
| LC50 acute inhalation | 100 ppm (8 h) | rat | | |
| Skin irritation | irritant to skin and mucous membranes | | | |
| Eye irritation | irritant | | | |
| Skin sensitization | non-sensitizing | | | |

Experiences made from practice

Attention! Causes tears.

Frequent persistent contact with the skin may cause skin irritation. Irritates eyes and skin.

Watery solution irritates eyes, skin and mucous membranes.

Additional information

The product was classified on the basis of the calculation procedure of the Regulation (EU) Nr. 1272/2008 (CLP).

The declarations of toxicology refer to main component.

Section 12 Ecological Information**12.1 Toxicity**

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Ecotoxicological effects

| | <u>Value</u> | <u>Species</u> | <u>Method</u> | <u>Validation</u> |
|-----------------|-------------------|----------------|---------------|-------------------|
| Fisch | no data available | | | |
| Daphnia | no data available | | | |
| Algae | no data available | | | |
| Bacteria | no data available | | | |

12.2 Persistence and degradability**Biological degradability**

The product is biodegradable

12.3 Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse affects**Behaviour in sewage plant**

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

Section 13 Disposal Considerations**13.1 Waste treatment methods****Waste Code N°.**

16 05 08*

Name of waste

discarded organic chemicals consisting of or containing hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.**Recommendations for the product**

In accordance with regulations for special waste, must be taken to a special waste disposal. The waste disposal has to be proved.

Dispose of as hazardous waste.

Recommendations for packaging

Uncontaminated packaging may be taken for recycling.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

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General information

Partially emptied packaging must be taken to point of sale or to a special waste disposal. Dispose of empty containers as urban waste. The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors.

Section 14 Transport Information

| | ADR/RID | IMDG | IATA-DGR |
|---|--|--|--|
| 14.1 UN-Number : | 0432 | 0432 | 0432 |
| 14.2 UN proper shipping name: | ARTICLES PYROTECHNIC for technical purposes | ARTICLES PYROTECHNIC for technical purposes | ARTICLES PYROTECHNIC for technical purposes |
| 14.3 Transport hazard class: | N/A | N/A | N/A |
| 14.4 Packing Group: | N/A | N/A | N/A |
| 14.5 Environmental hazards: | no | no | no |
| 14.6 Special precautions for user: | No information available. | | -- |

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code
No information available.

Land and inland navigation transport ADR

Hazard label(s) N/A

Tunnel restriction code N/A

Classification code N/A

Not subjected to transport regulations RID. The requirements for the exemption according to the transport regulations RID, Paragraph 2.2.1.1.1 b) and 2.2.1.1.8 are fulfilled.

Certificate N°. 4'206'839

Swiss TS Technical Services AG**Section 15 Regulatory Information**

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

Other regulations (EU)

Regulation (EC) No 304/2003 of the European parliament and of the council concerning the export and import of dangerous chemicals.

National regulations**Restriction of occupation**

Observe employment restrictions for young people.

Water hazard class: 1 (slightly hazardous to waters, self-classification)

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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Sector 16 Other Information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

- H302** Harmful if swallowed
- H315** Causes skin irritation
- H319** Causes serious eye irritation
- H332** Harmful if inhaled
- H335** May cause respiratory irritation