

Unex - AC bomb 100 ml

Revision date: 14.01.2020

Product code: 92680

Page 1 of 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Unex - AC bomb 100 ml

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

Air care products

1.3. Details of the supplier of the safety data sheet

Company name: Unex GmbH
Street: Erwin-Schrödinger-Str. 9
Place: A-2100 Korneuburg
e-mail: office@unex.co.at
Internet: www.unex.co.at

1.4. Emergency telephone number: +43 1 406 43 43**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 1

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

2.2. Label elements**Regulation (EC) No. 1272/2008**

Signal word: Danger

Pictograms:

**Hazard statements**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Special labelling of certain mixtures

EUH208 Contains d-limonene. May produce an allergic reaction.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

Unex - AC bomb 100 ml

Revision date: 14.01.2020

Product code: 92680

Page 2 of 8

3.2. Mixtures**Chemical characterization**

Aerosol

Hazardous components

| CAS No | Chemical name | | | Quantity |
|-----------|---|--------------|----------|-------------|
| | EC No | Index No | REACH No | |
| | GHS Classification | | | |
| 115-10-6 | dimethyl ether | | | 40 - < 50 % |
| | 204-065-8 | 603-019-00-8 | | |
| | Flam. Gas 1; H220 | | | |
| 5989-27-5 | d-limonene | | | 0.1 - < 5 % |
| | 227-813-5 | 601-029-00-7 | | |
| | Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H304 H400 H410 | | | |

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons, < 5 % anionic surfactants, perfumes (Limonene, Citronellol, Citral, Linalool).

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection! Move victim out of danger zone. Never give anything by mouth to an unconscious person or a person with cramps. Remove contaminated, saturated clothing immediately.

After inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. In case of inhaling spray mist, consult a physician. Put victim at rest, cover with a blanket and keep warm. If breathing is irregular or stopped, administer artificial respiration. In case of breathing difficulties administer oxygen.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Frequently or prolonged contact with skin may cause dermal irritation.

After contact with eyes

Protect uninjured eye. After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

No data available

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

No data available

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO2), Dry extinguishing powder, alcohol resistant foam, Water spray.

Unex - AC bomb 100 ml

Revision date: 14.01.2020

Product code: 92680

Page 3 of 8

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Hazardous decomposition products.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear personal protection equipment.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings. In case of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Heating causes rise in pressure with risk of bursting. Beware of reignition.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in head space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

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

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Material, oxygen-rich, oxidizing. Pyrophoric or self-heating substances.

Further information on storage conditions

Keep away from heat.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|----------------|------|-------------------|-----------|---------------|--------|
| 115-10-6 | Dimethyl ether | 400 | 766 | | TWA (8 h) | WEL |
| | | 500 | 958 | | STEL (15 min) | WEL |
| 64-17-5 | Ethanol | 1000 | 1920 | | TWA (8 h) | WEL |



Safety Data Sheet

Unex GmbH

according to Regulation (EC) No 1907/2006

Unex - AC bomb 100 ml

Revision date: 14.01.2020

Product code: 92680

Page 4 of 8

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Protective and hygiene measures

General health and safety measures

Do not breathe aerosol.

Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Wash hands before breaks and after work. Draw up and observe skin protection programme.

Eye/face protection

Wear eye protection/face protection.

Hand protection

Suitable material: NBR (Nitrile rubber).

Thickness of the glove material 0,4 mm

penetration time (maximum wearing period): > 480 min

Breakthrough times and swelling properties of the material must be taken into consideration.

EN ISO 374

Skin protection

Wear suitable protective clothing. The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------------|------------|
| Physical state: | Aerosol |
| Colour: | colourless |
| Odour: | Lemon |
| pH-Value (at 20 °C): | ~ 8 |

Changes in the physical state

| | |
|--|----------|
| Initial boiling point and boiling range: | -24,8 °C |
|--|----------|

| | |
|--------------|----------|
| Flash point: | -42,2 °C |
|--------------|----------|

| | |
|-------------------------|------------|
| Lower explosion limits: | 2,7 vol. % |
|-------------------------|------------|

| | |
|-------------------------|-----------|
| Upper explosion limits: | 32 vol. % |
|-------------------------|-----------|

| | |
|-----------------------|--------|
| Ignition temperature: | 240 °C |
|-----------------------|--------|

| | |
|---------------------|------------|
| Density (at 20 °C): | 0,77 g/cm³ |
|---------------------|------------|

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

Unex - AC bomb 100 ml

Revision date: 14.01.2020

Product code: 92680

Page 5 of 8

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Materials to avoid: acid. Base. Oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products: Carbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x).

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

| CAS No | Chemical name | Exposure route | Dose | Species | Source | Method |
|-----------|---------------|----------------|--------|---------|--------|--------|
| 5989-27-5 | d-limonene | | | | | |
| | oral | LD50 mg/kg | > 5000 | Rat | GESTIS | |
| | dermal | LD50 mg/kg | > 5000 | Rabbit | GESTIS | |

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Contains d-limonene. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience**Observations relevant to classification**

May be harmful if swallowed, in contact with skin or if inhaled.

Other observations

No data available

Further information

Irritating to respiratory system.

SECTION 12: Ecological information

according to Regulation (EC) No 1907/2006

Unex - AC bomb 100 ml

Revision date: 14.01.2020

Product code: 92680

Page 6 of 8

12.1. Toxicity

No data available

| CAS No | Chemical name | | | | | |
|-----------|--------------------------|------|-----------|---------|---------------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 5989-27-5 | d-limonene | | | | | |
| | Acute fish toxicity | LC50 | 0,7 mg/l | 96 h | Pimephales promelas | |
| | Acute crustacea toxicity | EC50 | 0,42 mg/l | 48 h | Daphnia magna | |

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-----------|---------------|---------|
| 5989-27-5 | d-limonene | 4,23 |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Do not empty into drains; dispose of this material and its container in a safe way.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Disposal considerations

Dispose of waste according to applicable legislation. The waste key according to the European Waste Catalogue (EWC number) refers to the real wastes origin and therefore is not product- but use-oriented.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:** UN 1950**14.2. UN proper shipping name:** AEROSOLS**14.3. Transport hazard class(es):** 2**14.4. Packing group:** -

Hazard label: 2.1



Safety Data Sheet

Unex GmbH

according to Regulation (EC) No 1907/2006

Unex - AC bomb 100 ml

Revision date: 14.01.2020

Product code: 92680

Page 7 of 8

| | |
|--------------------------|-----------------|
| Classification code: | 5F |
| Special Provisions: | 190 327 344 625 |
| Limited quantity: | 1 L |
| Excepted quantity: | E0 |
| Transport category: | 2 |
| Tunnel restriction code: | D |

Inland waterways transport (ADN)

| | |
|---|-----------------|
| <u>14.1. UN number:</u> | UN 1950 |
| <u>14.2. UN proper shipping name:</u> | AEROSOLS |
| <u>14.3. Transport hazard class(es):</u> | 2 |
| <u>14.4. Packing group:</u> | - |
| Hazard label: | 2.1 |
| Classification code: | 5F |
| Special Provisions: | 190 327 344 625 |
| Limited quantity: | 1 L |
| Excepted quantity: | E0 |

Marine transport (IMDG)

| | |
|---|-----------------------------|
| <u>14.1. UN number:</u> | UN 1950 |
| <u>14.2. UN proper shipping name:</u> | AEROSOLS |
| <u>14.3. Transport hazard class(es):</u> | 2.1 |
| <u>14.4. Packing group:</u> | - |
| Hazard label: | 2.1 |
| Special Provisions: | 63, 190, 277, 327, 344, 959 |
| Limited quantity: | 1000 mL |
| Excepted quantity: | E0 |
| EmS: | F-D, S-U |

Air transport (ICAO-TI/ATA-DGR)

| | |
|---|----------------|
| <u>14.1. UN number:</u> | UN 1950 |
| <u>14.2. UN proper shipping name:</u> | AEROSOLS |
| <u>14.3. Transport hazard class(es):</u> | 2.1 |
| <u>14.4. Packing group:</u> | - |
| Hazard label: | 2.1 |
| Special Provisions: | A145 A167 A802 |
| Limited quantity Passenger: | 30 kg G |
| Passenger LQ: | Y203 |
| Excepted quantity: | E0 |
| IATA-packing instructions - Passenger: | 203 |
| IATA-max. quantity - Passenger: | 75 kg |
| IATA-packing instructions - Cargo: | 203 |
| IATA-max. quantity - Cargo: | 150 kg |

14.6. Special precautions for user

SECTION 6: Accidental release measures

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 15: Regulatory information

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

EU regulatory information

Unex - AC bomb 100 ml

Revision date: 14.01.2020

Product code: 92680

Page 8 of 8

Restrictions on use (REACH, annex XVII):

Entry 3: d-limonene

2010/75/EU (VOC): 70,307 % (541,365 g/l)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

| Classification | Classification procedure |
|----------------------|--------------------------|
| Aerosol 1; H222-H229 | On basis of test data |

Relevant H and EUH statements (number and full text)

| | |
|--------|--|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H226 | Flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| EUH208 | Contains d-limonene. May produce an allergic reaction. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Identified uses

| No | Short title | LCS | SU | PC | PROC | ERC | AC | TF | Specification |
|----|--|-------|----|-------|-----------|-----|----|--------|---------------|
| 1 | AIR FRESHENERS AEROSOL (aqueous, non-aqueous, concentrated (mini-aerosol)) for consumer use | PW, C | 0 | 3, 28 | 8a, 8b, 9 | 11a | 0 | 37, 63 | |

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)