



Safety Data Sheet dated 24/2/2016, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: INTERIOR DEODORIZER - 200 ML

Trade code: CP5162E

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

Recommended use:

product for air conditioning systems

Uses advised against:

do not use on humans and animals

1.3. Details of the supplier of the safety data sheet

Company:

Sunair Europe BV. Parallelweg 169 6001HM Weert, The Netherlands

Tel. n. +31 (0)495 531186 [mail: sales@sunaireurope.com](mailto:sales@sunaireurope.com)


1.4. Emergency telephone number

Centro Antiveleni Ospedale Niguarda Milano +39 02.66101029

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

 Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Precautionary statements:

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

P102 Keep out of reach of children.

P103 Read label before use.

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 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:

| Qty | Name | Ident. Number | Classification |
|---------|-------------------------------|--|--|
| 50.5 % | GPL | CAS: 68476-40-4 EC: 270-681-9 REACH No.: 01-2119486557-22-XXXX |  2.5/C Compr. Gas H280  2.2/1 Flam. Gas 1 H220 DECLK (CLP)* |
| 42.1 % | ethanol; ethyl alcohol | Index number: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 |  2.6/2 Flam. Liq. 2 H225 |
| 1.22 % | DERIVANTI OSSIPROPILENICI | CAS: 34590-94-8 |  2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336 |
| 0.655 % | butanone; ethyl methyl ketone | Index number: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0 REACH No.: 01-2119457290-43 |  2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336 EUH066 |
| 0.244 % | TENS.NON IONICI | CAS: 685-15-73-1 REACH No.: 01-2119488530-36-XXXX |  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319 |
| 0.244 % | TENS.ANFOTERO | CAS: 4292-10-8 |  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319 |
| 0.244 % | TENS.CATIONICI | Index number: 270-325-2 CAS: 68424-85-1 |  2.16/1 Met. Corr. 1 H290  3.1/4/Oral Acute Tox. 4 H302  3.2/1A Skin Corr. 1A H314  4.1/A1 Aquatic Acute 1 H400 |
| 0.202 % | EMULSIONANTE P | CAS: 68439-50-9 |  3.3/1 Eye Dam. 1 H318  4.1/A1 Aquatic Acute 1 H400 |

*DECLK (CLP): This substance is classified in accordance with Note K, Annex VI of EC Regulation CE 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 (Table 3.1) or the S-phrases (2-)9-16 (Table 3.2) should apply. This note applies only to certain complex oil-derived substances in Part 3.

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

Frostbite

Cap 11

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

Treatment:

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

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
store in a cool, well ventilated place, away from heat, flames, sparks or other sources of ignition

keep only in the original container away from sunlight neighborhoods

avoid contact with skin and eyes, inhalation of vapours/mists/dusts.

do not use empty containers before they are cleaned.

contaminated clothing must be replaced before entering the dining areas.

at work do not eat or drink.

do not smoke

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

- 7.3. Specific end use(s)

product for air conditioning systems

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters

ethanol; ethyl alcohol - CAS: 64-17-5

ACGIH - STE: 1000 ppm - Notes: A3 - URT irr

butanone; ethyl methyl ketone - CAS: 78-93-3

EU - LTE(8h): 600 mg/m³, 200 ppm - STE: 900 mg/m³, 300 ppm - Notes: Bold-type:

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

ACGIH - LTE(8h): 200 ppm - STE: 300 ppm - Notes: BEI - URT irr, CNS and PNS impair

- DNEL Exposure Limit Values

butanone; ethyl methyl ketone - CAS: 78-93-3

Worker Professional: 1161 mg/kg - Consumer: 412 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 600 mg/l - Consumer: 106 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 31 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

- PNEC Exposure Limit Values

butanone; ethyl methyl ketone - CAS: 78-93-3

Target: Freshwater sediments - Value: 284.74 mg/kg

Target: Marine water sediments - Value: 284.74 mg/kg

Target: Soil (agricultural) - Value: 22.5 mg/kg

Target: Fresh Water - Value: 55.8 mg/l

Target: Marine water - Value: 55.8 mg/l

- 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:

Do not expose to temperatures exceeding 50° c.

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: | Spray can | -- | -- |
| Odour: | perfumed | -- | -- |
| Odour threshold: | N.A. | -- | -- |
| pH: | N.A. | -- | -- |
| Melting point / freezing point: | N.A. | -- | -- |
| Initial boiling point and boiling range: | N.A. | -- | -- |
| Flash point: | < 0 ° C | -- | -- |
| Evaporation rate: | N.A. | -- | -- |
| Solid/gas flammability: | N.A. | -- | -- |
| Upper/lower flammability or explosive limits: | N.A. | -- | -- |
| Vapour pressure: | N.A. | -- | -- |
| Vapour density: | >2 | -- | -- |
| Relative density: | 0.8 kg/l | -- | -- |
| Solubility in water: | undissolvable | -- | -- |
| Solubility in oil: | complete | -- | -- |
| Partition coefficient (n-octanol/water): | N.A. | -- | -- |
| Auto-ignition temperature: | 400 ° C | -- | -- |
| Decomposition temperature: | N.A. | -- | -- |
| Viscosity: | N.A. | -- | -- |
| Explosive properties: | N.A. | -- | -- |
| Oxidizing properties: | N.A. | -- | -- |

9.2. Other information

| Properties | Value | Method: | Notes: |
|--------------------------------------|---------------------------------------|---------|--------|
| kinematic viscosity: | kv > 2,05 mm ² /s (a 40°C) | -- | -- |
| 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
 - heat, flames and sparks. exposure to light and humidity
 - keep away from heat, sources of ignition
- 10.5. Incompatible materials
 - oxidizing agents
- 10.6. Hazardous decomposition products
 - by thermal decomposition can rid COx
 - the product is flammable, following combustion can lead to the formation of dangerous decomposition products

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
 - Toxicological information of the mixture:
 - N.A.
 - Toxicological information of the main substances found in the mixture:
 - GPL - CAS: 68476-40-4
 - a) acute toxicity:
 - Test: LC50 - Route: Inhalation - Species: Rat > 658 mg/l
 - butanone; ethyl methyl ketone - CAS: 78-93-3
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
 - ethanol; ethyl alcohol - CAS: 64-17-5
 - LD50 (RABBIT) ORAL: 6300 MG/KG
 - LD50 (RAT) ORAL SINGLE DOSE: 7060 MG/KG

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.
 - GPL - CAS: 68476-40-4
 - a) Aquatic acute toxicity:
 - Endpoint: LC50 - Species: Fish Negative 19 mg/l - Duration h: 96



- Endpoint: LC50 - Species: Daphnia Negative 14.2 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae Negative 7.7 mg/l - Duration h: 96
butanone; ethyl methyl ketone - CAS: 78-93-3
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 308 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 2029 mg/l - Duration h: 96
Endpoint: LC50 - Species: Fish = 2993 mg/l - Duration h: 96
- 12.2. Persistence and degradability
None
SANIFICANTE
Biodegradability: Not persistent and Biodegradable - Test: N.A. - Duration: N.A. - %:
N.A. - Notes: N.A.
butanone; ethyl methyl ketone - CAS: 78-93-3
Biodegradability: Not persistent and Biodegradable - Test: N.A. - Duration: N.A. - %:
N.A. - Notes: N.A.
- 12.3. Bioaccumulative potential
SANIFICANTE
Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.
butanone; ethyl methyl ketone - CAS: 78-93-3
Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.
- 12.4. Mobility in soil
SANIFICANTE
Mobility in soil: Mobile - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.
butanone; ethyl methyl ketone - CAS: 78-93-3
Mobility in soil: Mobile - Test: N.A. N.A. - Duration: N.A. - Notes: 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. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
ADR-Class: 2.5°F CAP. 2.2.2.1.6 UN1950
IATA-Class: 2.1
IMDG-Class: 2 Aerosols UN 1950
- 14.4. Packing group
14.5. Environmental hazards
Marine pollutant: No
- 14.6. Special precautions for user
IMDG-Page: 2102
- 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. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)



Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

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):

N.A.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:

H280 Contains gas under pressure; may explode if heated.

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H226 Flammable liquid and vapour.

EUH066 Repeated exposure may cause skin dryness or cracking.

H315 Causes skin irritation.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

H318 Causes serious eye damage.

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

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of
Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical
Society).

CLP: Classification, Labeling, Packaging.



| | |
|-------------|---|
| DNEL: | Derived No Effect Level. |
| EINECS: | European Inventory of Existing Commercial Chemical Substances. |
| GefStoffVO: | Ordinance on Hazardous Substances, Germany. |
| GHS: | Globally Harmonized System of Classification and Labeling of Chemicals. |
| IATA: | International Air Transport Association. |
| IATA-DGR: | Dangerous Goods Regulation by the "International Air Transport Association" (IATA). |
| ICAO: | International Civil Aviation Organization. |
| ICAO-TI: | Technical Instructions by the "International Civil Aviation Organization" (ICAO). |
| IMDG: | International Maritime Code for Dangerous Goods. |
| INCI: | International Nomenclature of Cosmetic Ingredients. |
| KSt: | Explosion coefficient. |
| LC50: | Lethal concentration, for 50 percent of test population. |
| LD50: | Lethal dose, for 50 percent of test population. |
| LTE: | Long-term exposure. |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STE: | Short-term exposure. |
| STEL: | Short Term Exposure limit. |
| STOT: | Specific Target Organ Toxicity. |
| TLV: | Threshold Limiting Value. |
| TWATLV: | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). |
| WGK: | German Water Hazard Class. |