

SAFETY DATA SHEET

Air Freshener Spring

UNICARE (CHEMICALS) LTD

1 Identification

Product Identifier:

Air freshener spring

Other means of identification:

Not available

Recommended use of the chemical and restriction on use:

Air fragrance

Supplier's details:

Unicare (Chemicals) Ltd,
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Emergency phone number

1401

2 Hazard(s) identification

Classification of the substance or mixture

According to regulation (EC) No 1272/2008 [CLP]

Flammable liquids: Hazard Category 3

Serious Eye Damage / Irritation: Hazard Category 1

GHS Label Element



Signal Word:

Danger

Hazard Statements:

H226 – Flammable liquid and vapor.

H318 – Causes serious eye damage.

Precautionary Statement

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

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P243: Take precautionary measures against static discharge.

P264: Wash your hands thoroughly after handling.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P370 + P378: In case of fire: Use pulverized water, foam, dry chemical & carbon dioxide for extinction.

P403 + P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container to national / local regulations.

Other hazards which do not result in classification

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

Mixture

Description	- CAS Number - EINECS Number - Reach registration number	Concentration (% w/w)	Note / Classification
4-Nonylphenol, branched, ethoxylated	- 127087-87-0 - 932-098-4 - N/A	5 – 6	Eye Dam. 1, H318, Acute Tox.4, H302; Aquatic Chronic 2, H411
Isopropyl alcohol	- 67-63-0 - 200-661-7 - N/A	9 – 10	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336.
Benzalkonium chloride	- 68424-85-1 - 270-325-2 - N/A	0.1 - 0.15	Acute Tox. (oral) 4, H302; Acute Tox. (dermal) 4, H312; Skin corr. 1B, H314; Aquatic acute 1, H400

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

4 First-aid measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, and consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5 Fire-fighting measures

Extinguishing media

Flash Point & Method

None

Suitable Extinguishing Media

Pulverized water, foam & carbon dioxide

Specific hazards arising from the chemical

Carbon monoxide, carbon dioxide, formaldehyde, as well as other toxic vapours and gases which are common to thermal degradation (in case of fire) of organic compounds.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and full protective gear.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures see, Section 8.

Environmental precautions

Do not allow to enter sewers/surface or ground water.

Methods and materials for containment and cleaning up

For residues: Pick up with suitable absorbent material.

Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Avoid the spillage or runoff entering drains, sewers or water courses. Flush away spillage with plenty of water.

Dispose of absorbed material in accordance with regulations.

For large amounts: Dike spillage. Pump off product.

7 Handling and storage

Precautions for safe handling

Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing.

Handle uncleaned empty containers as full ones.

Thoroughly clean/dry the installation before use.

Do not discharge the waste into the drain. Do not use compressed air for pumping over.

Use spark-/explosion proof appliances and lighting system.

Take precautions against electrostatic charges. Keep away from naked flames/heat.

Keep away from ignition sources/sparks.

Observe normal hygiene standards. Keep container tightly closed.

Protection against fire and explosion

Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof appliances and lighting equipment. Keep containers closed.

Conditions for safe storage, including any incompatibilities

Incompatible products: strong acids, strong oxidizers

Incompatible materials: Direct sunlight, heat sources, sources of ignition

Heat-ignition: KEEP SUBSTANCE AWAY FROM: heat sources, ignition sources

Suitable materials for containers:
Teflon, high density polyethylene (HDPE)

Storage stability:

Store in a cool area. Store in a dry area. Ventilation at floor level. Fireproof storeroom. Provide for an automatic sprinkler system. Provide for a tub to collect spills. Provide the tank with earthing.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8 Exposure controls/personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace:

Isopropyl alcohol (CAS:67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	200 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	980 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TWA: Time-Weighted Average concentration

STEL: Short Term Exposure Limit

PEL: Permissible Exposure Limit

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. (Particle filter EN 143 P2 or FFP2)

Hand protection:

Chemical resistant protective gloves. (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Wearing of closed work clothing is required additionally to the stated personal protection equipment. No eating, drinking, smoking or tobacco use at the place of work.

Handle in accordance with good industrial hygiene and safety practice.

9 Physical and chemical properties

Physical and chemical properties

General Information

- **Appearance:**
 - Form:** Clear transparent liquid
 - Colour:** According to product specification (Milky)
- **Odour:** Characteristic (Floral)
- **Odour threshold:** Not determined
- **pH-value:** 7.0 – 8.0
- **Specific gravity:** 0.90 – 0.91
- **Change in condition**
 - Melting point/Melting range:** Not determined
 - Boiling point/Boiling range:** Not determined
- **Flash point:** Not determined
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined
 - Upper:** Not determined
- **Vapour pressure at 20 °C:** Not determined
- **Density at 20 °C:** Not determined
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined
- **Viscosity:**
 - Dynamic:** Not determined
 - Kinematic:** Not determined

10 Stability and reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

No specific test data related to reactivity available for this product or its ingredients.
The product does not contain peroxides (or any other explosive chemicals).

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

See SDS Section 7 - Handling and storage.

Incompatible materials

Avoid contact with oxidising agents (e.g. nitric acid, peroxides, chromates, etc).
Strong acids

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.
In case of fire: carbon dioxide, carbon monoxide

11 Toxicological information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Toxicological (health) effects

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

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Assessment: May cause serious eye damage.

Respiratory or skin sensitisation: Assessment: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Assessment: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: Assessment: Based on available data, the classification criteria are not met.

STOT-single exposure: Assessment: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Assessment: Based on available data, the classification criteria are not met.

Aspiration hazard: Assessment: No aspiration hazard expected.

Symptoms related to the physical, chemical and toxicological characteristics: Not available data.

Numerical measures of toxicity (such as acute toxicity estimates): Not available data.

Toxicological Data: Isopropyl Alcohol (2-Propanol) (CAS: 67-63-0)

LD₅₀ oral rat:

5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg body weight; Rat)

LD₅₀ dermal rabbit:

12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)

LC₅₀ inhalation rat (mg/l):

73 mg/l/4h (Rat)

ATE US (oral):

5045.000 mg/kg body weight

ATE US (dermal):

12870.000 mg/kg body weight

ATE US (vapors):

73.000 mg/l/4h

ATE US (dust, mist):

73.000 mg/l/4h

Toxicological Data: 4-Nonylphenol, branched, ethoxylated (CAS: 127087-87-0)

Acute oral toxicity:

LD₅₀ Rat: > 300 - 2.000; OECD Test Guideline 401 (literature value). Assessment: Harmful if swallowed.

Acute dermal toxicity:	LD ₅₀ rabbit: > 2.000; Assessment: the classification criteria are not met.
Skin corrosion / irritation:	Rabbit: irritating; OECD Test Guideline 404; Causes slight skin irritation. Assessment: the classification criteria are not met.
Serious eye damage / eye irritation:	Rabbit: highly irritating; OECD Test Guideline 405 (literature value) Test substance: Causes serious eye damage.
Respiratory or skin Sensitisation:	Human: not sensitizing; OECD Test Guideline 406 Based on available data, the classification criteria are not met.
Germ cell mutagenicity / Genotoxicity <i>in vitro</i> :	<i>In vitro</i> tests did not show mutagenic effects own test results/literature values. Based on available data, the classification criteria are not met.
Carcinogenicity:	The substance has been shown to be not genotoxic, therefore it is not expected to have a carcinogenic potential. Based on available data, the classification criteria are not met.
Reproductive toxicity:	Rat; drinking water NOAEL ((parents)): > 300 mg/kg (based on body weight and day) NOAEL (F1): > 300 mg/kg (based on body weight and day); OECD Test Guideline 416 (literature value).
Teratogenicity:	Rat; Oral NOAEL: 50 mg/kg (based on body weight and day) NOAEL (female): 50 mg/kg (based on body weight and day); OECD Test Guideline 414 (literature value). Based on available data, the classification criteria are not met.
STOT - single exposure:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure. Rat (oral): 2 years; LOAEL: 1.000 mg/Kg (based on body weight and day); Target organs: liver; Effects: reduce food intake.
Aspiration hazard:	Not applicable.
Toxicological information:	The substance is metabolised and excreted.

Toxicological Data: Benzalkonium chloride (CAS: 68424-85-1)

Acute toxicity LD₅₀ Oral

Mouse - 150 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Blood: Hemorrhage.

LD₅₀ Dermal

Rat - 1.420 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Blood: Hemorrhage

Toxicity:**Eco toxicity**

No relevant information available.

Persistence and Degradability

No relevant information available.

Bioaccumulation

No relevant information available.

Mobility in soil

No relevant information available.

Other Adverse Effects

No data available.

Ecological Data: Isopropyl Alcohol (2-Propanol) (CAS: 67-63-0)LC50 fish 1:

4200 mg/l (96 h; Rasbora heteromorpha; Flow-through system)

EC50 Daphnia 1:

> 10000 mg/l (48 h; Daphnia magna)

LC50 fish 2:

9640 mg/l (96 h; Pimephales promelas; Lethal)

EC50 Daphnia 2:

13299 mg/l (48 h; Daphnia magna)

Threshold limit algae1:

> 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)

Threshold limit algae 2:

1800 mg/l (72 h; Algae; Cell numbers)

Ecological Data: 4-Nonylphenol, branched, ethoxylated (CAS: 127087-87-0)Toxicity to fish:

LC50 (96 h) > 1 - 10 mg/l, Brachydario rerio (Screening (style of OECD 203))

Aquatic invertebrates:

EC50 (48 h) > 10 - 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Aquatic plants:

EC50 (72 h) > 10 - 100 mg/l, Despodesmous subspicatus (OECD Guideline 201)

NOEC (72 h): 4 mg/l, Despodesmous subspicatus (OECD Guideline 201)

Microorganisms / Effect on activated sludge:

EC50 > 10000 mg/l, Pseudomonas putida (DIN 38412 Part 27 (draft))

Toxicity to other organism:

LC50 (14 d) > 1.000 mg/kg; Eisenia foetida

Biodegradability:

< 60 %; 28 d; aerobic; OECD Test Guideline 301 B

Ecological Data: Benzalkonium chloride (CAS: 68424-85-1)

Toxicity to fish:

mortality LOEC - Oncorhynchus kisutch - 17,8 mg/l - 3,0 d

LC₅₀ - Lepomis macrochirus - 0,31 mg/l - 96,0 h

mortality NOEC - Oncorhynchus kisutch - 10 mg/l - 3,0 d

13 Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

14 Transport information

UN Number: ADR/RID, IMDG, IATA: UN 1993

UN Proper Shipping Name: ADR/RID, IMDG, IATA: Flammable (isopropanol (isopropyl alcohol))

Transport hazard class(es): 3

Packing group, if applicable: III

Environmental hazards: None

Special precaution for user: Flammable (see section 7)

Transport in bulk according to Annex II of Marpol 73/78 and the IBCcode: Not applicable.

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I:** None of the ingredients is listed.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16 Other information

Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**

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

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

DNEL: Derived No-Effect Level

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

GHS: Globally Harmonised System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
IMDG: International Maritime Code for Dangerous Goods
PBT: Persistent, Bioaccumulative and Toxic
PNEC: Predicted No-Effect Concentration
VOC: Volatile Organic Compounds (USA, EU)
vPvB: very Persistent and very Bioaccumulative

H225: Highly flammable liquid and vapor.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Flam. Liq. 2: Flammable liquid; Hazard Category 2
Acute Tox. (oral) 4: Acute oral toxicity; Hazard Category 4
Acute Tox. (dermal) 4: Acute dermal toxicity; Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation; Hazard Category 1B
Skin Irrit. 2: Skin corrosion/irritation; Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation; Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation; Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure; Hazard Category 3
Aquatic Chronic 2: Long-term aquatic hazard; Hazard Category 2
Aquatic Acute 1: Acute aquatic hazard; Hazard Category 1