Safety Data Sheet

according to Regulation (EC) No.1907/2006 (REACH), amended by COMMISSION REGULATION (EU) 2020/878

Product name : ROOM SPRAY　　Date of revision : 05/Mar/2025

SDS No. : APFRRS_J3_E3-1

Revision No. : 1

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

1.1 Product identifier:

Product name: Room Spray

Product code (SDS NO): APFRRS_J3_E3-1

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

Relevant identified uses of the product: Air freshener

Uses advised against: Do not use for any other purpose.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Instill Co., Ltd.

Address: 893-80, Murata-cho, Chuo-ku, Chiba-shi, Chiba, Japan, 260-0825

Telephone number: +81-43-239-6799

FAX: +81-43-239-6867

1.4 Emergency telephone number: +81-43-239-6799

Section 2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

PHYSICAL AND CHEMICAL HAZARDS

Flammable liquids: Category 3

HEALTH HAZARDS

Serious eye damage/eye irritation: Category 2B

(Note) GHS classification without description: Not classified/Classification not possible

2.2 Label elements

Signal word: Warning

HAZARD STATEMENT

H226 Flammable liquid and vapor

H320 Causes eye irritation

Supplemental hazard information

EUH208 Contains Linalool. May produce an allergic reaction.

PRECAUTIONARY STATEMENT

Prevention

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

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

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

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P264 Wash contaminated parts thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P370 + P378 In case of fire: Use appropriate media to extinguish.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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.
Storage
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal
P501 Dispose of contents/container in accordance with local/national regulation.

Section 3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)
Classification according to REGULATION (EC) No.1272/2008 [CLP]	EC No.	
Water	7732-18-5	60 - 70
-	231-791-2	
Ethyl alcohol	64-17-5	10 - 20
Flam. Liq. 2, H225	200-578-6	
Castor oil, hydrogenated, ethoxylated	61788-85-0	10 - 20
-	500-147-5	
Dipropylene glycol	25265-71-8	1 - 10
-	246-770-3	
3-Methoxy-3-methylbutan-1-ol	56539-66-3	1 - 10
-	260-252-4	
4-tert-butyl-cyclohexyl acetate	32210-23-4	< 1
-	250-954-9	
Benzyl benzoate	120-51-4	< 1
Acute Tox. 4 *, H302; Aquatic Chronic 2, H411	204-402-9	
Linalool	78-70-6	< 1
Skin Sens. 1B, H317	201-134-4	
Hexyl Cinnamic aldehyde	101-86-0	< 1
-	202-983-3	
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	< 1
-	259-174-3	
2-tert-Butylcyclohexyl acetate	88-41-5	< 1
-	201-828-7	
2,6-Di-tert-butyl-p-cresol	128-37-0	< 1
-	204-881-4	
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	< 1
-	248-908-8	
Dimethylcyclohex-3-ene-1-carbaldehyde	27939-60-2	< 1
-	248-742-6	
Geraniol	106-24-1	< 1
Skin Sens. 1, H317	203-377-1	
Coumarin	91-64-5	< 1
-	202-086-7	
Benzyl Salicylate	118-58-1	< 1
Skin Sens. 1B, H317	204-262-9	
(Z)-3-Hexenyl salicylate	65405-77-8	< 1
-	265-745-8	
1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	57378-68-4	< 1
-	260-709-8	
Cineole	470-82-6	< 1

–	207-431-5	
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-Inden-4-one	33704-61-9	< 1
–	251-649-3	
3-(2,2-Dimethyl-3-hydroxypropyl)toluene	103694-68-4	< 1
Aquatic Chronic 3, H412	403-140-4	
Nerol	106-25-2	< 1
–	203-378-7	
Linalyl acetate	115-95-7	< 1
–	204-116-4	
Citral	5392-40-5	< 1
Skin Irrit. 2, H315; Skin Sens. 1, H317	226-394-6	
d-Limonene	5989-27-5	< 1
Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 3, H412 [SCL's, M-Factors, ATE, Component notes] M=1	227-813-5	

Note : The figures shown above are not the specifications of the product.
The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.
The components not described in this component table are not listed in Japan GHS classification result (NITE 2019).

Section 4. First-aid measures

4.1 Descriptions of first-aid measures

IF ON SKIN (or hair)

Take off immediately all contaminated clothing. Rinse skin with water or shower.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Specific information on symptom and effect are unknown.

4.3 Indication of any immediate medical attention and special treatment needed

Information on indication of any immediate medical attention and special treatment needed is not available.

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

In case of fire, use foam, dry powder, CO2 to extinguish.

Unsuitable extinguishing media

Do not use direct water jet.

5.2 Specific hazards arising from the substance or mixture

Will form toxic carbon oxides upon combustion.

Containers may explode when heated.

5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Cool container with water spray.

Special protective equipment and precautions for fire-fighters

Wear protective gloves/protective clothing/eye protection/face protection.

Firefighters should wear self-contained breathing apparatus with a full facepiece operated in the positive pressure mode.

Section 6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

Keep unauthorized personnel away.
Wear proper protective equipment.
Eliminate all sources of ignition and ventilate the area.
Stop leak if safe to do so.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.
Do not wash away into sewers or waterway.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.
For large spill, dike for later disposal.
Fill the disposal into labelled, closable containers.

Preventive measures for secondary accident

Prepare extinguishers before catching fire.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Prevent entry into waterways, sewers, basements or confined areas.

Section 7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Avoid breathing vapors/fume.
Avoid breathing dust/mist.

(Protective measures against fire and explosion)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use non-sparking tools.
Take action to prevent static discharges.

(Safety treatments)

Avoid contact with skin.
Avoid contact with eyes.

Safety Measures

Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.

Any incompatibilities

Strong oxidizing agents should not be mixed with the chemicals.

Advice on general occupational hygiene

Wash contaminated parts thoroughly after handling.
Wash hands thoroughly after handling.

7.2 Storage

Conditions for safe storage

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

(Incompatible storage condition)

Keep out of reach of children.

Container and packaging materials for safe handling data is not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Adopted value
ACGIH
(Ethyl alcohol)
STEL: 1000ppm (URT irr)
(2,6-Di-tert-butyl-p-cresol)
TWA: 2mg/m3(IFV) (URT irr)
(Citral)
TWA: 5ppm(IFV) (Body weight eff; URT irr; eye dam)
Notation
(Citral)
Skin; DSEN

8.2 Exposure controls
Appropriate engineering controls
Do not use in areas without adequate ventilation.
Washing facilities should be available.
Individual protection measures
Hand protection
Wear protective gloves.
Eye protection
Wear safety glasses with side-shields or chemical safety goggle.
Skin and body protection
Wear protective clothing.

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties
Physical state: Liquid
Color: Clear
Odor: Fragrance
Odor threshold data is not available.
Melting point/Freezing point data is not available.
Boiling point or initial boiling point: 94.5℃
Boiling range data is not available.
Flammability (gases, liquids and solids): Flammable
Lower and upper explosion limit/flammability limit data is not available.
Flash point: 38.5℃
Sustained Combustibility: No sustained combustibility
Auto-ignition temperature data is not available.
Decomposition temperature data is not available.
pH: 5.2
Kinematic viscosity data is not available.
Solubility:
Solubility in water data is not available.
Solubility in solvent data is not available.
n-Octanol/water partition coefficient data is not available.
Vapor pressure data is not available.
Density and/or relative density: 0.99(20)
Relative vapor density (Air=1) data is not available.
Particle characteristics: Not applicable

Section 10. Stability and Reactivity

10.1 Reactivity
Reactivity data is not available.

10.2 Chemical stability
Stable under normal storage/handling conditions.
10.3 Possibility of hazardous reactions
Possibility of hazardous reactions data is not available.
10.4 Conditions to avoid
Avoid direct sunlight, fire, flame, high temperature.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
10.5 Incompatible materials
Strong oxidizing agents
10.6 Hazardous decomposition products
The following substances are produced by pyrolysis.
Carbon oxides

Section 11. Toxicological Information
11.1 Information on toxicological effects
Acute toxicity
Acute toxicity (Oral)
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
[Table 3 of Annex VI to the CLP Regulations]
(Benzyl benzoate)
Category 4
Acute toxicity (Dermal)
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.
Acute toxicity (Inhalation)
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.
Irritant properties
Skin corrosion/irritation
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
[Table 3 of Annex VI to the CLP Regulations]
(Citral)
Category 2
(d-Limonene)
Category 2
Serious eye damage/irritation
[Product]
Category 2B, Causes eye irritation
[Data for components of the product]
[Company proprietary data]
(Ethyl alcohol)
rabbit recover within 7 days (ECETOC TR No.48(2), 1998 et al)
Sensitization
Respiratory sensitization
[Product]

Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.
Skin sensitization
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
[Table 3 of Annex VI to the CLP Regulations]
(Linalool)
Category 1B
(Geraniol)
Category 1
(Benzyl Salicylate)
Category 1B
(Citral)
Category 1
(d-Limonene)
Category 1B
Germ cell mutagenicity
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.
Carcinogenicity
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
[IARC]
(Ethyl alcohol)
Group 1 : Carcinogenic to humans
(2,6-Di-tert-butyl-p-cresol)
Group 3 : Not classifiable as to its carcinogenicity to humans
(Coumarin)
Group 3 : Not classifiable as to its carcinogenicity to humans
(d-Limonene)
Group 3 : Not classifiable as to its carcinogenicity to humans
[ACGIH]
(Ethyl alcohol)
A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans
(2,6-Di-tert-butyl-p-cresol)
A4: Not Classifiable as a Human Carcinogen
(Citral)
A4: Not Classifiable as a Human Carcinogen
Reproductive toxicity
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.
Specific target organ toxicity (STOT)
STOT-single exposure
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
[Company proprietary data]

(Ethyl alcohol)
Category 3 (Respiratory tract irritation)(PATTY 6th, 2012), Category 3 (Narcotic effects)(PATTY 6th, 2012; SIDS, 2005)

STOT-repeated exposure

[Product]
Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

[Company proprietary data]
(Ethyl alcohol)
Not classified

Aspiration hazard

[Product]
Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]
(d-Limonene)
Category 1

11.2 Information on other hazards

Endocrine disrupting properties

[Product]
Classification not possible (Insufficient data available or no data available).

[Data for components of the product]
No data available.

Section 12. Ecological Information

12.1 Toxicity

Aquatic toxicity

[Product]
Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

Hazardous to the aquatic environment, short-term (acute)

[Table 3 of Annex VI to the CLP Regulations]
(d-Limonene)
Category 1

[Company proprietary data]
(Ethyl alcohol)
Algae (Chlorella) EC50=1000mg/L/96hr (SIDS, 2005)

Hazardous to the aquatic environment, long-term (chronic)

[Table 3 of Annex VI to the CLP Regulations]
(Benzyl benzoate)
Category 2
(3-(2,2-Dimethyl-3-hydroxypropyl)toluene)
Category 3
(d-Limonene)
Category 3

[Company proprietary data]
(Ethyl alcohol)
Crustacea (Ceriodaphnia sp.) NOEC=9.6mg/L/10days (SIDS, 2005)

Water solubility

(Ethyl alcohol)
miscible (source: ICSC, 2018)
(Benzyl benzoate)
none (source: ICSC, 1997)

(Linalool)
0.16 g/100 mL (25℃) (source: ICSC, 1997)
(2,6-Di-tert-butyl-p-cresol)
0.00006 g/100 mL (25℃) (source: ICSC, 1999)
(Coumarin)
poor (source: ICSC, 1998)
(Cineole)
not poorly water-soluble (3500 mg/L) (source: NITE)
(Linalyl acetate)
poor (source: ICSC, 2009)
(Citral)
0.059 g/100 mL (25℃) (source: ICSC, 2008)
(d-Limonene)
very poor (25℃) (source: ICSC, 2005)

12.2 Persistence and degradability

[Data for components of the product]

(Ethyl alcohol)
Rapidly degradable (Degradation rate: 89% (by BOD)) (source: NITE)
(3-Methoxy-3-methylbutan-1-ol)
Rapidly degradable (Degradation rate: 110% (by BOD)) (source: NITE)
(4-tert-butyl-cyclohexyl acetate)
Rapidly degradable (BIOWIN) (source: NITE)
(Benzyl benzoate)
Rapidly degradable (Degradation rate: 90% (by BOD)) (source: NITE)
(Linalool)
Rapidly degradable (Degradation rate: 90% (by BOD)) (source: NITE)
(2,6-Di-tert-butyl-p-cresol)
Not rapidly degradable (Degradation rate: 4.5% (by BOD)) (source: NITE)
(Geraniol)
Rapidly degradable (Degradation rate: 36.7% (by BOD)) (source: NITE)
(Coumarin)
Rapidly degradable (Degradation rate: 100% (by BOD)) (source: NITE)
(Benzyl Salicylate)
Rapidly degradable (Degradation rate: 93% (by BOD)) (OECD TG 301F, GLP) (source: NITE)
(Linalyl acetate)
Rapidly degradable (Degradation rate: 75% (by BOD)) (source: NITE)
(Citral)
Rapidly degradable (Degradation rate: 92% (by BOD)) (source: NITE)
(d-Limonene)
Not rapidly degradable (BIOWIN) (source: NITE)

12.3 Bioaccumulative potential

[Data for components of the product]

(Ethyl alcohol)
log Pow: -0.32 (source: ICSC, 2018)
(3-Methoxy-3-methylbutan-1-ol)
log Kow: 0.18 (source: NITE)
(Benzyl benzoate)
log Pow: 3.97 (source: ICSC, 1997)
(Linalool)
log Pow: 2.97 (source: NITE)
(2,6-Di-tert-butyl-p-cresol)
log Pow: 5.1 (source: ICSC, 1999)
(Geraniol)
log Kow: 3.47 (source: NITE)

(Coumarin)
log Pow: 1.39 (source: ICSC, 1998)
(Benzyl Salicylate)
log Kow: 4.0 (OECD TG 117, GLP) (source: NITE)
(Linalyl acetate)
log Kow: 3.93 (source: NITE)
(Citral)
log Kow: 3.45 (source: NITE)
(d-Limonene)
log Pow: 4.2 (source: ICSC, 2005)

12.4 Mobility in soil

Mobility in soil data is not available.

12.5 Results of PBT and vPvB assessment

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

12.6 Endocrine disrupting properties

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

12.7 Other adverse effects

Results of PMT and vPvM assessment

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Ozone depleting chemical data is not available.

Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

Dispose of container after using the contents completely.

Section 14. Transport Information

UN No., UN CLASS

14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated
14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

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

14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated
14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

ADN (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated

14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

RID (Regulation concerning the International Carriage of Dangerous goods by Rail)
14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated
14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

IMDG Code (International Maritime Dangerous Goods Regulations)
14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated
14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

IATA (Dangerous Goods Regulations)
14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated
14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

14.5 Environmental hazards
Marine pollutants (yes/no) : no

14.6 Special precautions for user
Special precautions for user is not applicable.

14.7 Maritime transport in bulk according to IMO instruments
MARPOL Annex II – Noxious Liquid Substances
Noxious Liquid Substances ; Cat. Y
d-Limonene
Noxious Liquid Substances ; Cat. Z
Ethyl alcohol; 3-Methoxy-3-methylbutan-1-ol
Non Noxious Liquid Substances ; Cat. OS
Water

MARPOL Annex V – HME (Harmful to the Marine Environment)
Not applicable to Maritime transport in bulk according to IMO instruments.

UN Number
Flash Point: 38.5℃, but the combustion persistence test showed no combustion persistence, so the UN number: Not applicable. Refer to Section 9.

Section 15. Regulatory Information

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

Section 16. Other information

GHS classification and labelling
Flammable liquids, Category 3: H226 Flammable liquid and vapour
Serious eye damage/eye irritation, Category 2B: H320 Causes eye irritation

Full text of Hazard categories and Hazard statements referred to only section 3
Flam. Liq. 2, H225 – Flammable liquids, Category 2: H225 Highly flammable liquid and vapour
Acute Tox. 4, H302 – Acute toxicity, Category 4: H302 Harmful if swallowed
Asp. Tox. 1, H304 – Aspiration hazard, Category 1: H304 May be fatal if swallowed and enters airways
Skin Irrit. 2, H315 – Skin corrosion/irritation, Category 2: H315 Causes skin irritation
Skin Sens. 1, H317 – Skin sensitization, Category 1: H317 May cause an allergic skin reaction
Skin Sens. 1B, H317 – Skin sensitization, Category 1B: H317 May cause an allergic skin reaction
Aquatic Acute 1, H400 – Hazardous to the aquatic environment, short-term (acute), Category 1: H400 Very toxic to aquatic life
Aquatic Chronic 2, H411 – Hazardous to the aquatic environment, long-term (chronic),

Category 2: H411 Toxic to aquatic life with long lasting effects
Aquatic Chronic 3, H412 – Hazardous to the aquatic environment, long-term (chronic),
Category 3: H412 Harmful to aquatic life with long lasting effects

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 23rd edit., 2023 UN
IMDG Code, 2024 Edition (Incorporating Amendment 42-24)
IATA Dangerous Goods Regulations (66th Edition) 2025
2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2025 TLVs and BEIs. (ACGIH)
JIS Z 7252 : 2019
JIS Z 7253 : 2019
2024 Recommendation on TLVs (JSOH)
Notification No. 0111-1 (January 11, 2022), Chemical Hazards Control Division, Industrial Safety and Health Department, Labour Standards Bureau, Ministry of Health, Labour and Welfare
Supplier's data/information

Abbreviations and acronyms

(IFV) – Inhalable Fraction and Vapor; dam – damage; eff – effects; irr – irritation; URT – upper respiratory tract

General Disclaimer

To the best of our knowledge, the information contained here in is accurate. However, we assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of user. All material may present unknown hazards and should be used in caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

The GHS classification data given here is based on current Data published in Japan (National Institute of Technology and Evaluation (NITE) Chemical Risk Information Platform (NITE-CHRIP), up to FY2023).