

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/18/2023

Reviewed on 05/18/2023

## 1 Identification

- **Product identifier**
  - **Trade name:** Metered aerosol 7oz. Orchard Spice
  - **Manufacturer article number:** PPMAOS-02
  - **Application of the substance / the mixture** Air Freshener
- **Details of the supplier of the safety data sheet** (826)(190)
  - **Manufacturer/Supplier:**  
RJ Schinner  
Menomonee Falls, WI  
www.rjschinner.com
  - **Information department:** Product safety department
  - **Emergency telephone number:** 800-234-1460

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Aerosols 1

H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Gases under Pressure - Compressed gas

H280 Contains gas under pressure; may explode if heated.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS04



GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**

acetone

- **Hazard statements**

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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### · Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear eye protection / face protection.
- 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.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P410+P403 Protect from sunlight. Store in a well-ventilated place.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### · Classification system:

#### · NFPA ratings (scale 0 - 4)

Health = 2

Fire = 4

Reactivity = 1

#### · HMIS-ratings (scale 0 - 4)

Health = 2

Fire = 4

Reactivity = 1

### · Other hazards

#### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## 3 Composition/information on ingredients

### · Chemical characterization: Mixtures

· **Description:** Mixture of the substances listed below with nonhazardous additions.

#### · Dangerous components:

|          |                              |           |
|----------|------------------------------|-----------|
| 67-64-1  | acetone                      | >50-≤100% |
| 75-28-5  | isobutane                    | >10-≤25%  |
| 74-98-6  | propane                      | >2.5-≤10% |
| 106-97-8 | butane, pure                 | ≤2.5%     |
|          | Fragrance Trade secret (826) | ≤2.5%     |

## 4 First-aid measures

### · Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

#### · PAC-1:

|          |                      |           |
|----------|----------------------|-----------|
| 67-64-1  | acetone              | 200 ppm   |
| 75-28-5  | isobutane            | 5500* ppm |
| 74-98-6  | propane              | 5500* ppm |
| 106-97-8 | butane, pure         | 5500* ppm |
| 110-91-8 | morpholine           | 30 ppm    |
| 142-90-5 | dodecyl methacrylate | 6.9 ppm   |

#### · PAC-2:

|          |                      |             |
|----------|----------------------|-------------|
| 67-64-1  | acetone              | 3200* ppm   |
| 75-28-5  | isobutane            | 17000** ppm |
| 74-98-6  | propane              | 17000** ppm |
| 106-97-8 | butane, pure         | 17000** ppm |
| 110-91-8 | morpholine           | 1,300 ppm   |
| 142-90-5 | dodecyl methacrylate | 76 ppm      |

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|                 |                      |              |
|-----------------|----------------------|--------------|
| <b>· PAC-3:</b> |                      |              |
| 67-64-1         | acetone              | 5700* ppm    |
| 75-28-5         | isobutane            | 53000*** ppm |
| 74-98-6         | propane              | 33000*** ppm |
| 106-97-8        | butane, pure         | 53000*** ppm |
| 110-91-8        | morpholine           | 8000** ppm   |
| 142-90-5        | dodecyl methacrylate | 460 ppm      |

### 7 Handling and storage

#### · Handling:

· **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

#### · Information about protection against explosions and fires:

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

#### · Conditions for safe storage, including any incompatibilities

#### · Storage:

##### · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

##### · Information about storage in one common storage facility: Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

#### · Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see section 7.

#### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| <b>67-64-1 acetone</b>   |                                                    |
| PEL                      | Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm |
| REL                      | Long-term value: 590 mg/m <sup>3</sup> , 250 ppm   |
| TLV                      | Short-term value: 500 ppm                          |
|                          | Long-term value: 250 ppm                           |
|                          | A4, BEI                                            |
| <b>75-28-5 isobutane</b> |                                                    |
| TLV                      | Short-term value: 1000 ppm                         |
|                          | (EX)                                               |
| <b>74-98-6 propane</b>   |                                                    |
| PEL                      | Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm |
| REL                      | Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm |

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|                                                    |                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------|
| TLV                                                | see Appendix F Minimal oxygen content (D, EX)                                      |
| <b>106-97-8 butane, pure</b>                       |                                                                                    |
| REL                                                | Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm                                  |
| TLV                                                | Short-term value: 1000 ppm (EX)                                                    |
| <b>· Ingredients with biological limit values:</b> |                                                                                    |
| <b>67-64-1 acetone</b>                             |                                                                                    |
| BEI                                                | 25 mg/L<br>Medium: urine<br>Time: end of shift<br>Parameter: Acetone (nonspecific) |

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Safety glasses

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Tightly sealed goggles

### 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

##### · Form:

Aerosol

##### · Color:

According to product specification

##### · Odor:

Characteristic

##### · Odor threshold:

Not determined.

##### · pH-value:

Not determined.

##### · Change in condition

##### · Melting point/Melting range:

Undetermined.

##### · Boiling point/Boiling range:

-44 °C (-47.2 °F)

##### · Flash point:

&lt; 0 °C (&lt; 32 °F)

##### · Flammability (solid, gaseous):

Not applicable.

##### · Auto igniting:

460 °C (860 °F)

##### · Decomposition temperature:

Not determined.

##### · Ignition temperature:

Product is not selfigniting.

##### · Danger of explosion:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

##### · Explosion limits:

##### · Lower:

1.8 Vol %

##### · Upper:

13 Vol %

##### · Vapor pressure at 20 °C (68 °F):

3,000 hPa (2.300 mm Hg)

##### · Density:

Not determined.

##### · Relative density

Not determined.

##### · Vapor density

Not determined.

##### · Evaporation rate

Not applicable.

##### · 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.

##### · Solvent content:

##### · Organic solvents:

83.8 %

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|                            |                                            |
|----------------------------|--------------------------------------------|
| · <b>VOC content:</b>      | 26.05 %<br>260.5 g/l / 2.17 lb/gal         |
| · <b>Solids content:</b>   | 0.9 %                                      |
| · <b>Other information</b> | No further relevant information available. |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

|                                                               |      |                       |
|---------------------------------------------------------------|------|-----------------------|
| · <b>LD/LC50 values that are relevant for classification:</b> |      |                       |
| <b>67-64-1 acetone</b>                                        |      |                       |
| Oral                                                          | LD50 | 5,800 mg/kg (rat)     |
| Dermal                                                        | LD50 | 20,000 mg/kg (rabbit) |

- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories**

|                                                             |            |   |
|-------------------------------------------------------------|------------|---|
| · <b>IARC (International Agency for Research on Cancer)</b> |            |   |
| 110-91-8                                                    | morpholine | 3 |

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

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- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                                                                     |                     |
|-------------------------------------------------------------------------------------|---------------------|
| · <b>UN-Number</b>                                                                  |                     |
| · <b>DOT, IMDG, IATA</b>                                                            | UN1950              |
| · <b>UN proper shipping name</b>                                                    |                     |
| · <b>DOT</b>                                                                        | Aerosols, flammable |
| · <b>IMDG</b>                                                                       | AEROSOLS            |
| · <b>IATA</b>                                                                       | AEROSOLS, flammable |
| · <b>Transport hazard class(es)</b>                                                 |                     |
| · <b>DOT</b>                                                                        |                     |
|  |                     |
| · <b>Class</b>                                                                      | 2.1 Gases           |
| · <b>Label</b>                                                                      | 2.1                 |
| · <b>IMDG, IATA</b>                                                                 |                     |
|  |                     |
| · <b>Class</b>                                                                      | 2.1 Gases           |
| · <b>Label</b>                                                                      | 2.1                 |
| · <b>Packing group</b>                                                              |                     |
| · <b>DOT, IMDG, IATA</b>                                                            | not regulated       |
| · <b>Environmental hazards:</b>                                                     | Not applicable.     |
| · <b>Special precautions for user</b>                                               | Warning: Gases      |
| · <b>Hazard identification number (Kemler code):</b>                                | -                   |
| · <b>EMS Number:</b>                                                                | F-D,S-U             |

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|                                                                                   |                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · <b>Stowage Code</b>                                                             | SW22 For AEROSOLS with a maximum capacity of 1 litre:<br>Category A. For AEROSOLS with a capacity above 1 litre:<br>Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.                                                                                                                                                     |
| · <b>Segregation Code</b>                                                         | SG69 For AEROSOLS with a maximum capacity of 1 litre:<br>Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.<br>For AEROSOLS with a capacity above 1 litre:<br>Segregation as for the appropriate subdivision of class 2.<br>For WASTE AEROSOLS:<br>Segregation as for the appropriate subdivision of class 2. |
| · <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable.                                                                                                                                                                                                                                                                                                                               |
| · <b>Transport/Additional information:</b>                                        |                                                                                                                                                                                                                                                                                                                                               |
| · <b>DOT</b>                                                                      |                                                                                                                                                                                                                                                                                                                                               |
| · <b>Quantity limitations</b>                                                     | On passenger aircraft/rail: 75 kg<br>On cargo aircraft only: 150 kg                                                                                                                                                                                                                                                                           |
| · <b>IMDG</b>                                                                     |                                                                                                                                                                                                                                                                                                                                               |
| · <b>Limited quantities (LQ)</b>                                                  | 1L                                                                                                                                                                                                                                                                                                                                            |
| · <b>Excepted quantities (EQ)</b>                                                 | Code: E0<br>Not permitted as Excepted Quantity                                                                                                                                                                                                                                                                                                |
| · <b>UN "Model Regulation":</b>                                                   | UN 1950 AEROSOLS, 2.1                                                                                                                                                                                                                                                                                                                         |

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.

· **Sara**

|                                                          |                                         |        |
|----------------------------------------------------------|-----------------------------------------|--------|
| · <b>Section 355 (extremely hazardous substances):</b>   |                                         |        |
| None of the ingredients is listed.                       |                                         |        |
| · <b>Section 313 (Specific toxic chemical listings):</b> |                                         |        |
| None of the ingredients is listed.                       |                                         |        |
| · <b>TSCA (Toxic Substances Control Act):</b>            |                                         |        |
| 67-64-1                                                  | acetone                                 | ACTIVE |
| 75-28-5                                                  | isobutane                               | ACTIVE |
| 74-98-6                                                  | propane                                 | ACTIVE |
| 106-97-8                                                 | butane, pure                            | ACTIVE |
| 25265-71-8                                               | Dipropylene glycol (isomer unspecified) | ACTIVE |
| 110-91-8                                                 | morpholine                              | ACTIVE |
| 142-90-5                                                 | dodecyl methacrylate                    | ACTIVE |
| 106-22-9                                                 | dl-Citronellol                          | ACTIVE |
| 5392-40-5                                                | Citral                                  | ACTIVE |
| 127-51-5                                                 | alpha-iso-Methylionone                  | ACTIVE |

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**· Hazardous Air Pollutants**

None of the ingredients is listed.

**· Proposition 65**
**· Chemicals known to cause cancer:**

None of the ingredients is listed.

**· Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**· Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**· Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**· Carcinogenic categories**
**· EPA (Environmental Protection Agency)**

67-64-1 acetone

I

**· TLV (Threshold Limit Value)**

67-64-1 acetone

A4

110-91-8 morpholine

A4

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**· Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### 16 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.

**· Department issuing SDS:** Product Safety Department

**· Contact:** 800-234-1460

**· Date of preparation / last revision** 05/18/2023

**· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flammable Aerosols 1: Aerosols – Category 1

Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

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*Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3*

*. \* Data compared to the previous version altered.*

— US —