

## Safety data sheet

REACH: Regulation (EC) No 2020/878 (in particular as amended by Regulation (EU) No. 1907/2006 & 2015/830 with respect to SDSs) & CLP: Regulation (EC) No 1272/2008

Printing date 30.01.2023

Version number 5 (replaces version 4)

Revision: 30.01.2023

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

· **1.1 Product identifier:**

· **Trade name:** PowAir Mist

· **REACH Registration number:** Not relevant

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

· **Sector of Use** Odour Neutraliser

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Supplier

Odorchem Manufacturing Corp.

Unit #1 – 9790 190th St.

Surrey, BC V4N 3M9

T +1 604 942 7880, +1 877 386 5000 - F +1 604 608 2980

info@odorchem.com - <http://www.odorchem.com/>

Distributor

PowAir Nature Ltd.

Unit 2, Estate Road 6

Grimsby, North east Lincolnshire

UK, DN31 2TG

0044 1472 242244

· **1.4 Emergency telephone number:**

National Poisons Information Service:

NHS 111 (England)

NHS 24 (Scotland) on 111.

NHS 111 (Wales) (currently available in the following health board areas - Hywel Dda, Powys, Aneurin Bevan and Swansea Bay - including Bridgend). If you are outside this area, please call 0845 46 47.

### SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS02

· **Signal word:** Danger

· **Hazard statements:**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

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· **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.

· **Additional information:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.  
 Contains Yarmor Pine oil, synthetic, Terpenes and Terpenoids, limonene fraction. May produce an allergic reaction.

110 % of the mixture consists of component(s) of unknown toxicity.

Contains 110 % of components with unknown hazards to the aquatic environment.

Keep out of the reach of children

· **2.3 Other hazards:** None known

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### \* SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

Mixture of substances listed below with nonhazardous additions.

The mixture of the outlined below is in a solid suspension so liquid or gel inherent hazards will not affect final product's hazard designation.

· **Components:**

CAS: 75-28-5 EINECS: 200-857-2 RTECS: TZ 4300000	Isobutane ⚠ Flam. Gas 1, H220; ⚠ Press. Gas (Comp.), H280	60-100%
CAS: 74-98-6 EINECS: 200-827-9 RTECS: TX 2275000	Propane ⚠ Flam. Gas 1, H220; ⚠ Press. Gas (Comp.), H280	5-10%
CAS: 64-17-5 EINECS: 200-578-6 RTECS: KQ 6300000	Ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H335	3-7%
CAS: 8002-09-3	Yarmor Pine oil, synthetic ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	<1%
CAS: 65996-98-7 EINECS: 266-034-5	Terpenes and Terpenoids, limonene fraction ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	<1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:** If symptoms persist, call a physician.

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

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- **After skin contact:**  
Wash with soap and water.  
If skin irritation occurs, consult a doctor.
- **After eye contact:**  
Remove contact lenses at once. Rinse opened eye under running water for at least 15 minutes. If irritation persists, seek medical attention.
- **After swallowing:**  
Call a doctor if irritation or symptoms develop.  
Rinse mouth with water.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **5.2 Special hazards arising from the substance or mixture:** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear to prevent contact with skin and eyes.

### \* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Eliminate every possible source of ignition.
- **6.2 Environmental precautions:** Do not allow to enter sewers, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Dispose of the material collected according to regulations.
- **6.4 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.

### \* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Open and handle receptacle with care.  
Open and handle receptacle with care. Avoid contact with skin, eyes and clothing. Ensure good ventilation of the work station. Do not pierce or burn, even after use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **Information about fire and explosion protection:**  
Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurised 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.

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### · 7.2 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.

Store in a cool location. Observe official regulations on storing packagings with pressurized containers. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original container. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

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

#### · Further information about storage conditions:

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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

## \* SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

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

##### 64-17-5 Ethanol

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

#### · Additional information: The lists valid during the making were used as basis.

### · 8.2 Exposure controls

#### · Appropriate engineering controls No further data; see item 7.

#### · Individual protection measures, such as personal protective equipment

#### · General protective and hygienic measures: Wash hands before breaks and at the end of work.

#### · Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

#### · Hand protection Not required.

#### · Material of gloves:

If bulk or extended contact with skin is expected, then a barrier between hand and block is recommended.

#### · Penetration time of glove material: Not applicable.

#### · Eye/face protection Not required.

#### · Body protection: Not required.

#### · Environmental exposure controls None

## \* SECTION 9: Physical and chemical properties

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

#### · General Information

#### · Physical state

Aerosol

#### · Colour:

Colourless

#### · Odour:

Characteristic

#### · Melting point/freezing point:

Not determined.

#### · Boiling point or initial boiling point and boiling range

≥-44.5 °C (74-98-6 Propane)

#### · Flammability

Not applicable.

#### · Lower and upper explosion limit

#### · Lower:

1.8 Vol %

#### · Upper:

19 Vol %

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· <b>Flash point:</b>	13 °C
· <b>Ignition temperature:</b>	≥425 °C (64-17-5 Ethanol)
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH @ 20 °C</b>	6-8
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Fully miscible.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure @ 20 °C:</b>	≤8,300 hPa (74-98-6 Propane)
· <b>Density and/or relative density</b>	
· <b>Density:</b>	Not determined.
· <b>Relative density @ 20 °C:</b>	0.81-0.85
· <b>Vapour density:</b>	Not determined.
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Liquid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Auto-ignition temperature:</b>	460 °C
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Change in condition</b>	
· <b>Evaporation rate:</b>	Not applicable.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Non-Regulated Material
· <b>Flammable gases</b>	Non-Regulated Material
· <b>Aerosols</b>	Extremely flammable aerosol. Pressurised container: May burst if heated.
· <b>Oxidising gases</b>	Non-Regulated Material
· <b>Gases under pressure</b>	Non-Regulated Material
· <b>Flammable liquids</b>	Non-Regulated Material
· <b>Flammable solids</b>	Non-Regulated Material
· <b>Self-reactive substances and mixtures</b>	Non-Regulated Material
· <b>Pyrophoric liquids</b>	Non-Regulated Material
· <b>Pyrophoric solids</b>	Non-Regulated Material
· <b>Self-heating substances and mixtures</b>	Non-Regulated Material
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Non-Regulated Material
· <b>Oxidising liquids</b>	Non-Regulated Material
· <b>Oxidising solids</b>	Non-Regulated Material
· <b>Organic peroxides</b>	Non-Regulated Material
· <b>Corrosive to metals</b>	Non-Regulated Material
· <b>Desensitised explosives</b>	Non-Regulated Material

### \* SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No further relevant information available.
- **10.2 Chemical stability:** Product is stable under normal conditions.

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- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:**  
Heat, flame and ignition sources.  
Direct sunlight. Extremely high or low temperatures.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Containers can build up pressure if exposed to heat (fire). May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products. Thermal decomposition may produce : carbon oxides (CO and CO<sub>2</sub>).

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

##### 64-17-5 Ethanol

Oral	LD50	7,060 mg/kg (Rat)
Inhalative	LC50/4 h	20,000 mg/l (Rat)
	LC50/96 hours	12,900-15,300 mg/l (Trout)

##### 8002-09-3 Yarmor Pine oil, synthetic

Dermal	LD50	mg/kg (Rabbit)
Inhalative	LC50/4 h	9,000 mg/l (Rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Sensitisation:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT (Specific target organ toxicity)-single exposure**  
Based on available data, the classification criteria are not met.
- **STOT (Specific target organ toxicity)-repeated exposure**  
Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

#### · Endocrine disrupting properties

None of the ingredients are listed.

#### · Other information

CAS may be tested with animals and are a part of a national database. The whole Block product was not tested on animals.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

##### 64-17-5 Ethanol

EC50	34,900 mg/l (Daphnia)
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- **12.2 Persistence and degradability:** No further relevant information available.

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- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Avoid transfer into the environment.  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

### \* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**  
Observe all federal, state and local environmental regulations when disposing of this material.  
Dispose of contents/container in accordance with licensed collector's sorting instructions.
- **Waste disposal key:** US EPA RCRA waste code D001 (ignitability characteristic).
- **Uncleaned packaging:**
- **Recommendation:**  
Observe all federal, state and local environmental regulations when disposing of this material.  
Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### \* SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR/ADN, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR/ADN** UN1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**
- **ADR/ADN**



- **Class** 2.5A Gases.
- **Label** 2.1

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· **IMDG, IATA**

· <b>Class</b>	2.1 Gases.
· <b>Label</b>	2.1
· <b>14.4 Packing group</b>	
· <b>ADR/ADN</b>	Non-Regulated Material
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Warning: Gases.
· <b>Hazard identification number (Kemler code):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>Segregation Code</b>	
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR/ADN</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

### \* SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU** Substance is not listed.
- **Named dangerous substances - ANNEX I** None of the ingredients are listed.
- **Seveso category** P3a FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t

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- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

- **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

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