

SAFETY DATA SHEET

P Wave Extra

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

1.1. Product identifier

Product name P Wave Extra

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

Identified uses PC3 Air care products

1.3. Details of the supplier of the safety data sheet

Supplier

Aztec Chemicals
Unit 16, University Way
Orion Park
Crewe
Cheshire
CW1 6NG
+ 44 (0) 1270 655500 (T)
+ 44 (0) 1270 655501 (F)
info@aztecchemicals.com

1.4. Emergency telephone number

Emergency telephone +44 (0)7831 300868

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R36/37. O;R8. N;R50/53. R31.

Human health May irritate eyes and skin.

Environmental The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Physicochemical Combustion or thermal decomposition will liberate Carbon Dioxide and possibly Carbon Monoxide.

2.2. Label elements

Pictogram



Signal word

Danger

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Hazard statements	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. 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. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P102 Keep out of reach of children. P280 Wear eye protection. P280 Wear protective clothing. P402+P404 Store in a dry place. Store in a closed container. P501 Dispose of contents/ container in accordance with local regulations.
Supplemental label information	RCH002b For professional users only. EUH031 Contact with acids liberates toxic gas.
Contains	Amyl cinnamal, ORANGE TERPENE, Eugenol, ETHYL-2,3-EPOXY-3-PHENYLBUTYRATE, (L) Alpha-Isomethyl Ionone, CITRAL, Coumarin, 2, 4-Dimethyl-3-cyclohexene carboxaldehyde

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

3a, 4, 5, 6, 7, 7a-Hexanhydro-4, 7-Methano-1 (3)-indene-6-yl-acetate			1-5%
CAS number: 5413-60-5	EC number: 226-501-6		
Classification Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) R52/53.		
Amyl cinnamal			1-5%
CAS number: 122-40-7	EC number: 204-541-5	REACH registration number: N/A	
Classification Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) N;R51/53. R43.		
2-PHENOXYETHANOL			1-5%
CAS number: 122-99-6	EC number: 204-589-7	REACH registration number: 01-2119488943-21	
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xn;R22 Xi;R36		

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2-Tertiary-butylcyclohexyl acetate 1-5%		
CAS number: 88-41-5	EC number: 201-828-7	REACH registration number: N/A
Classification Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) N;R51/53.	
a,a-DIMETHYLPHENETHYL BUTYRATE 1-5%		
CAS number: 10094-34-5	EC number: 233-221-8	REACH registration number: N/A
Classification Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) N;R51/53.	
BENZYL BENZOATE 1-5%		
CAS number: 120-51-4	EC number: 204-402-9	REACH registration number: 01-2119976371-33
M factor (Acute) = 1		
Classification Acute Tox. 4 - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn;R22 N;R51/53	
Dimethyl benzyl carbonyl acetate 1-5%		
CAS number: 151-05-3	EC number: 205-781-3	
Classification Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) R52/53.	
ETHYL-2,3-EPOXY-3-PHENYLBUTYRATE 1-5%		
CAS number: 77-83-8	EC number: 201-061-8	
Classification Skin Sens. 1B - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) R52/53.	
ORANGE TERPENE 1-5%		
CAS number: 8028-48-6	EC number: 232-433-8	REACH registration number: 01-2119493353-35-XXXX
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R38. N;R50/53. R10.	

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Eugenol 1-5%		
CAS number: 97-53-0	EC number: 202-589-1	REACH registration number: N/A
Classification Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC) R43.	
Tricyclodecenyyl Propanoate 1-5%		
CAS number: 17511-60-3	EC number: 241-514-7	
Classification Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) N;R51/53.	
gamma - Undecanlactone 1-5%		
CAS number: 104-67-6	EC number: 203-225-4	REACH registration number: 01-2119959333-34
Classification Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) N;R51/53.	
Linalol Synthetic 1-5%		
CAS number: 78-70-6	EC number: 201-134-4	REACH registration number: 01-2119474016-42
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi;R38.	
(L) Alpha-Isomethyl Ionone <1%		
CAS number: 127-51-5	EC number: 204-846-3	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xi;R36/38. N;R51/53. R43.	
2, 4-Dimethyl-3-cyclohexene carboxaldehyde <1%		
CAS number: 68039-49-6	EC number: 268-264-1	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xi;R36/38. R43,R52/53.	

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Coumarin		<1%
CAS number: 91-64-5	EC number: 202-086-7	REACH registration number: 01-2119949300-45-XXXX
Classification Acute Tox. 4 - H302 Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC) Xn;R22. R43.	
CITRAL		<1%
CAS number: 5392-40-5	EC number: 226-394-6	REACH registration number: 01-2119462829-23
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC) R43 Xi;R38	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂). Toxic gases or vapours. Hydrocarbons.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours. Chlorine. Hydrogen chloride (HCl).

5.3. Advice for firefighters

Protective actions during firefighting	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Contain and collect extinguishing water.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

For non-emergency personnel Follow precautions for safe handling described in this safety data sheet.

For emergency responders Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions Not considered to be a significant hazard due to the small quantities used. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up 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. Flush contaminated area with plenty of water. Avoid spreading dust or contaminated materials. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not close drums containing wet or damp material.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid inhalation of dust and contact with skin and eyes. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Keep away from heat, sparks and open flame.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a well-ventilated place. Store in closed original container at temperatures between 5°C and 30°C.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ORANGE TERPENE

Long-term exposure limit (8-hour TWA): No std.

2-PHENOXYETHANOL (CAS: 122-99-6)

DNEL

Workers - Dermal; Long term systemic effects: 34.72 mg/kg/day

Workers - Inhalation; Long term systemic effects: 8.07 mg/m³

Workers - Inhalation; Long term local effects: 8.07 mg/m³

Consumer - Oral; Short term systemic effects: 17.43 mg/kg/day

Workers - Inhalation; Long term local effects: 8.07 mg/m³

Consumer - Dermal; Long term systemic effects: 20.83 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 2.5 mg/m³

Consumer - Oral; Long term systemic effects: 17.43 mg/kg/day

Consumer - Inhalation; Long term local effects: 2.5 mg/m³

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PNEC	<ul style="list-style-type: none"> - Fresh water; 0.943 mg/l - Water, Intermittent release; 3.44 mg/l - Marine water; 0.094 mg/l - STP; 24.8 mg/l - Sediment (Freshwater); 7.2366 mg/kg - Sediment (Marinewater); 0.7237 mg/kg - Soil; 1.26 mg/kg
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ORANGE TERPENE (CAS: 8028-48-6)

DNEL	<p>Consumer - Oral, Dermal; Long term systemic effects: 4.44 mg/kg/day</p> <p>Workers - Dermal; Long term systemic effects: 8.89 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 7.78 mg/m³</p> <p>Workers - Inhalation; Long term systemic effects: 31.1 mg/m³</p>
PNEC	<ul style="list-style-type: none"> - Fresh water; 0.054 mg/l - Sediment (Freshwater); 1.3 mg/kg - Intermittent release; 0.00577 mg/l - Sediment (Marinewater); 0.13 mg/kg - Marine water; 0.0054 mg/l - STP; 2.1 mg/l - Soil; 0.261 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

Personal protection

When using do not smoke

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Avoid contact with skin. Wear apron or protective clothing in case of contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Warn cleaning personnel of any hazardous properties of the product. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Persons susceptible to allergic reactions should not handle this product. Good personal hygiene procedures should be implemented.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Respiratory protection may be required if excessive airborne contamination occurs.

Environmental exposure controls

Do not allow undiluted product to enter drains.

SECTION 9: Physical and Chemical Properties

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9.1. Information on basic physical and chemical properties

Appearance	Solid. Tablet.
Colour	Orange.
Odour	Orange.
pH	Not applicable.
Melting point	Estimated at 60°C
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not determined.
Solubility(ies)	Insoluble in water.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See Section 10.3 (Possibility of hazardous reactions) for further information.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid No specific requirements are anticipated under normal conditions of use.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 12,500.0

Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	Harmful if swallowed. Nausea, vomiting. Headache.
Skin contact	Irritating to skin.
Eye contact	Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards	Irritating to eyes. Gas or vapour in high concentrations may irritate the respiratory system.
Route of entry	Skin and/or eye contact
Target organs	Eyes Skin
Medical symptoms	Irritation of eyes and mucous membranes.

SECTION 12: Ecological Information

Ecotoxicity The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. The product is not believed to present a hazard due to its physical nature.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General Packs of 5kg or under are not regulated under the Limited Quantities provisions.

14.1. UN number

UN No. (ADR/RID) 3077

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UN No. (IMDG)	3077
UN No. (ICAO)	3077
UN No. (ADN)	3077

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZYL BENZOATE, Amyl cinnamal)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZYL BENZOATE, Amyl cinnamal)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZYL BENZOATE, Amyl cinnamal)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZYL BENZOATE, Amyl cinnamal)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M7
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	2Z
Hazard Identification Number (ADR/RID)	90

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Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date	03/02/2017
Revision	1
SDS number	21199
SDS status	Approved.
Risk phrases in full	R2 Risk of explosion by shock, friction, fire or other sources of ignition. R22 Harmful if swallowed. R31 Contact with acids liberates toxic gas. R36 Irritating to eyes. R36/37 Irritating to eyes and respiratory system. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R8 Contact with combustible material may cause fire.
Hazard statements in full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.