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Material Safety Data Sheet

Product Name: 45ml reed diffuser Fresh blossom

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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT USE: Air freshener/Decorative reed diffuser

SUPPLIER ADDRESS: Williams (HS) Limited, Sage House, **Bowden Hey Road**, Chapel-en-le-frith, High Peak. SK23 0QZ

INFORMING DEPARTMENT: Technical Department

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SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids Category 3 - (H226)

Skin corrosion/irritation Category 2 - (H315)

Serious eye damage/eye irritation Category 1 - (H318)

Skin sensitization Category 1 - (H317)

Chronic aquatic toxicity Category 2 - (H411)

Classification according to Directive 67/548/EEC or 1999/45/EC

R10,

Xi;R41,

R43

N,R51/53

2.2. Label elements

Symbols/Pictograms



Signal word

Hazard Statements

Danger

H226 - Flammable liquid and vapor

H315 - Causes skin irritation

H318 - Causes serious eye damage

H317 - May cause an allergic skin reaction

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P233 - Keep container tightly closed
 P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish
 P403 + P235 - Store in a well-ventilated place. Keep cool
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 - Immediately call a POISON CENTER or doctor/physician
 P332 + P313 - If skin irritation occurs: Get medical advice/attention
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P273 - Avoid release to the environment
 P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixture

Chemical Name	EC No	CAS No	Weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Water	231-791-2	7732-18-5	50	Not classified	Not classified	
surfactant	500-195-7	68131-39-5	15	Xi; R41 N; R50-53 R52-53	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	
Alcohol	200-578-6	64-17-5	15	F; R11	Flam. Liq. 2 (H225)	
Dipropylene glycol methyl ether acetate	-	88917-22-0	10	Xi; R36/R37/R38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	
AR392131	1-(3-Methoxypropoxy)propan-1-ol	252-104-2	34590-94-8	2.5-5	Not classified	Not classified
	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno(5,6-c)pyran	214-946-9	1222-05-5	1-2.5	N; R50/53	Aquatic Chronic 1 (H410)
	1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone	259-174-3	54464-57-2	1-2.5	Xi, N R38,R43,R51/53	Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Chronic 1 (H410)
	Benzyl acetate	205-399-7	140-11-4	0.25-1	R52/53	Aquatic Chronic 3 (H412)
	2-phenylethanol	200-456-2	60-12-8	0.25-1	Xn R22,R36	Acute Tox. 4 (oral) (H302), Eye Irrit. 2 (H319)
	1,5-Dimethyl-1-vinylhex-4-en-1-yl acetate	204-116-4	115-95-7	0.1-0.25	Xi R38	Skin Irrit. 2 (H315), Eye Irrit. 2 (H319)
	3,7-Dimethylocta-1,6-dien-3-ol	201-134-4	78-70-6	0.1-0.25	Xi R38	Skin Irrit. 2 (H315), Eye Irrit. 2 (H319)
	3,7-Dimethylocta-2,6-dien-1-ol	203-377-1	106-24-1	0.1-0.25	Xi R38,R41,R43	Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Eye Dam. 1 (H318)
	3,7-Dimethyloct-6-en-1-ol	203-375-0	106-22-9	0.1-0.25	Xi, N R38,R43,R51/53	Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Eye Irrit. 2 (H319)
4-Isopropenyl-1-methylcyclohexene	227-813-5	5989-27-5	0.1-0.25	Xi, N R10,R38,R43,R50/53	Flam. Liq. 3 (H226), Asp. Hazard 1 (H304), Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Chronic 1 (H410)	

More information of the fragrance oil can be found on a separate material safety data sheet (MSDS), this is available on request.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Do not get in eyes, on skin, or on clothing. If symptoms persist, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Eye contact

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.

Ingestion

Rinse mouth Get medical attention Never give anything by mouth to an unconscious person

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

Eye Damage

Skin irritation

May cause sensitization by skin contact

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Dry chemical, alcohol resistant foam or carbon dioxide, water spray.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour.

Thermal decomposition can lead to release of irritating and toxic gases and vapors: oxides of carbon.

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin

Evacuate personnel to safe areas

Remove all sources of ignition

Contaminated work clothing should not be allowed out of the workplace

Use personal protection recommended in Section 8

6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained

Prevent entry into waterways, sewers, basements or confined areas

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13)

6.4. Reference to other sections

See Section 7 for more information

See section 8 for more information

See section 13 for more information

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice

Ensure adequate ventilation, especially in confined areas

Avoid contact with skin, eyes or clothing

Wash contaminated clothing before reuse

Do not eat, drink or smoke when using this product

Wash thoroughly after handling

Use personal protection recommended in Section 8

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place

Keep away from heat, sparks, flame and other sources of ignition

Store in accordance with the particular national regulations

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Water (CAS #: 7732-18-5)	-	-	-	-	STEL: 125 ppm TWA: 100 ppm
Alcohol (CAS #: 64-17-5)	1000 ppm 1880 mg/m ³	STEL 2000 ppm STEL 3800 mg/m ³ TWA: 1000 ppm TWA: 1900 mg/m ³	-	TWA: 1000 ppm TWA: 1900 mg/m ³	-
1-(3-Methoxypropoxy)propan-1-ol (CAS #: 34590-94-8)	50 ppm 308 mg/m ³ Skin	Skin STEL 100 ppm STEL 614 mg/m ³ TWA: 50 ppm TWA: 307 mg/m ³	-	TWA: 50 ppm TWA: 309 mg/m ³ Skin	-
Benzyl acetate (CAS #: 140-11-4)	-	-	-	TWA: 10 ppm TWA: 61 mg/m ³	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Alcohol (CAS #: 64-17-5)	TWA: 1000 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m ³ Skin	-
4-Isopropenyl-1-methylcyclohexene (CAS #: 5989-27-5)		TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin	-

Chemical Name	Poland	Portugal	Spain	Switzerland	Netherlands
Alcohol (CAS #: 64-17-5)	TWA: 1900 mg/m ³	TWA: 1000 ppm	STEL: 1000 ppm STEL: 1910 mg/m ³ TWA: 1000 ppm TWA: 1910 mg/m ³	STEL: 1000 ppm STEL: 1920 mg/m ³ TWA: 500 ppm TWA: 960 mg/m ³	Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³
4-Isopropenyl-1-methylcyclohexene (CAS #: 5989-27-5)	-	-	-	STEL: 40 ppm STEL: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³	-

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Alcohol (CAS #: 64-17-5)	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³
1-(3-Methoxypropoxy)propan-1-ol (CAS #: 34590-94-8)	-	-	STEL: 150 ppm TWA: 100 ppm S*	-	-
Benzyl acetate (CAS #: 140-11-4)	-	-	TWA: 10 ppm	-	-
4-Isopropenyl-1-methylcyclohexene (CAS #: 5989-27-5)	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³	-	-	-	-

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls

Engineering Controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles)
Hand Protection	Wear protective gloves
Skin and body protection	Suitable protective clothing
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Color	No information available
Odor	No information available
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Boiling point / boiling range	Not determined
Flash point	27°C
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Flammability Limit in Air	Not determined
Vapor Pressure	Not determined
Vapor density	Not determined
Density	Not determined
Relative density	Not determined

Specific gravity	Not determined
Water solubility	Not determined
Partition coefficient (LogPow)	Alcohol (CAS #: 64-17-5) = -0.32
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

9.2. Other information

No information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

None under normal use conditions

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water (CAS #: 7732-18-5)	90 mL/kg (Rat)	-	-
Alcohol (CAS #: 64-17-5)	-	-	= 124.7 mg/L (Rat) 4 h
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno(5,6-c)pyran (CAS #: 1222-05-5)	> 4640 mg/kg bw (OECD 401)	> 10000 mg/kg bw (OECD 402)	-
4-Isopropenyl-1-methylcyclohexene (CAS #: 5989-27-5)	-	> 5 g/kg (Rabbit)	-

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Sensitization

May cause sensitization by skin contact.

Germ cell mutagenicity

No information available.

Carcinogenicity

Chemical Name	European Union	IARC
Alcohol (CAS #: 64-17-5)	-	Group 1
4-Isopropenyl-1-methylcyclohexene (CAS #: 5989-27-5)	-	Group 3

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Alcohol (CAS #: 64-17-5)	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
2-phenylethanol (CAS #: 60-12-8)	490: 72 h Desmodesmus subspicatus mg/L EC50	-	-
3,7-Dimethylocta-1,6-dien-3-ol (CAS #: 78-70-6)	88.3: 96 h Desmodesmus subspicatus mg/L EC50	-	-
4-Isopropenyl-1-methylcyclohexene (CAS #: 5989-27-5)	-	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	-

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient (LogPow)
Alcohol (CAS #: 64-17-5)	-0.32

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations

vinylhex-4-en-1-yl acetate 115-95-7 (0.1-0.25)								
3,7-Dimethylocta-1,6-dien-3-ol 78-70-6 (0.1-0.25)	X	X	X	X	X	X	X	X
3,7-Dimethylocta-2,6-dien-1-ol 106-24-1 (0.1-0.25)	X	X	X	X	X	X	X	X
3,7-Dimethylocta-6-en-1-ol 106-22-9 (0.1-0.25)	X	X	X	X	X	X	X	X
4-Isopropenyl-1-methylcyclohexene 5989-27-5 (0.1-0.25)	X	X	X	X	X	X	X	X

"-" Not Listed

"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16. OTHER INFORMATION

The information on this MSDS was obtained from current and reputable sources. However, the data is provided without any warranty, express or implied, regarding its correctness or accuracy.

Further information

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