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Material Safety Data Sheet

Product Name: Home Fragrance 150ml reed diffuser Citrus

Supplier code: C81509PR

Article create code: 30168053

Barcode: 5054077122276

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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT USE: 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 3 - (H412)

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

H412 - Harmful 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
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 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
 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)	
APOO-2886	Citral	226-394-6	5392-40-5	3-3.5	Xi; R38 R43	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)
	Dipropylene glycol monomethyl ether	252-104-2	34590-94-8	1.5-3	Not classified	Not classified
	.alpha.-hexylcinnamaldehyde	202-983-3	101-86-0	1-1.5	R43 N; R51/53	Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)
	Vanillin	204-465-2	121-33-5	0.1-0.5	Xi; R36	Eye Irrit. 2 (H319)
	Mandarin oil (Citrus reticulata blanco)	297-672-2	8008-31-9	0.1-0.5	R10 Xn; R65 Xi; R38 R43 N; R50 N; R50/53	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
	Linalyl acetate	204-116-4	115-95-7	0.1-0.5	Xi; R38 Xi; R36	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)
	Ethyl vanillin	204-464-7	121-32-4	0.1-0.5	Not classified	Not classified
	butylated hydroxytoluene (BHT)	204-881-4	128-37-0	0.1-0.5	N; R50/53	Aquatic Chronic 1 (H410)
	Benzyl salicylate	204-262-9	118-58-1	0.1-0.5	R43 Xi; R36 R52/53	Skin Sens. 1B (H317) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)

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	-
Dipropylene glycol monomethyl ether (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	-
butylated hydroxytoluene (BHT) (CAS #: 128-37-0)	10 mg/m ³	TWA: 10 mg/m ³	-	TWA: 10 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	-

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
Citral (CAS #: 5392-40-5)	STEL: 54 mg/m ³ TWA: 27 mg/m ³	-	S*	-	-

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
Citral (CAS #: 5392-40-5)	-	-	TWA: 5 ppm inhalable fraction and vapor S*	-	-
Dipropylene glycol monomethyl ether (CAS #: 34590-94-8)	-	-	STEL: 150 ppm TWA: 100 ppm S*	-	-
butylated hydroxytoluene (BHT) (CAS #: 128-37-0)	-	-	TWA: 2 mg/m ³ inhalable fraction and vapor	-	-

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 Citral (CAS #: 5392-40-5) = 2.76
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined

Explosive properties
Oxidizing properties

Not an explosive
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
Citral (CAS #: 5392-40-5)	= 4950 mg/kg (Rat)	= 2250 mg/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

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
Citral (CAS #: 5392-40-5)	16: 72 h Desmodemus subspicatus mg/L EC50 19: 96 h Desmodemus subspicatus mg/L EC50	4.6 - 10: 96 h Leuciscus idus mg/L LC50 static	7: 48 h Daphnia magna mg/L EC50
butylated hydroxytoluene (BHT) (CAS #: 128-37-0)	6: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.42: 72 h Desmodemus subspicatus mg/L EC50	-	-

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient (LogPow)
Alcohol (CAS #: 64-17-5)	-0.32
Citral (CAS #: 5392-40-5)	2.76

Chemical Name	Bioconcentration factor (BCF)
butylated hydroxytoluene (BHT) (CAS #: 128-37-0)	2500

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

Ethyl vanillin 121-32-4 (0.1-0.5)	X	X	X	X	X	X	X	X
butylated hydroxytoluene (BHT) 128-37-0 (0.1-0.5)	X	X	X	X	X	X	X	X
Benzyl salicylate 118-58-1 (0.1-0.5)	X	X	X	X	X	X	X	X

"-" Not Listed

"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16. OTHER INFORMATION

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Full text of H-Statements referred to under section 3

H304 - May be fatal if swallowed and enters airways

H302 - Harmful if swallowed

H225 - Highly flammable liquid and vapour

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H335 - May cause respiratory 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

Full text of R-phrases referred to under sections 2 and 3

R11 - Highly flammable

R10 - Flammable

R22 - Harmful if swallowed.

R36 - Irritating to eyes.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitization by skin contact

R38 - Irritating to skin

R50 - Very toxic to aquatic organisms.

R65 - Harmful may cause lung damage if swallowed

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R36/R37/R38 - Irritating to eyes, respiratory system and skin.

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