

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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Supagard Kreed Type Air Freshener

Revision 1
Revision date 2022-12-02

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

1.1. Product identifier

Product name	Supagard Kreed Type Air Freshener
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC3] Air care products; ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC3] Air care products;
Description	Air Freshener.

1.3. Details of the supplier of the safety data sheet

Company	SUPAGARD LIMITED
Address	19-27 Gavinton Street Muirend Glasgow G44 3EF
Web	www.supagard.com
Telephone	0141 633 5933
Fax	01416377219
Email	James.Smyth@supagard.com
Email address of the competent person	James.Smyth@supagard.com

1.4. Emergency telephone number



Emergency telephone number	01416335933 8.30am to 5.00pm For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice) If you are a healthcare professional with an enquiry please visit www.TOXBASE.org
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	EUH208; Flam. Liq. 3: H226; Eye Irrit. 2: H319; Aquatic Chronic 3: H412;
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2.2. Label elements

Hazard pictograms	 
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2.2. Label elements

Signal Word	Warning
Hazard Statement	EUH208 - Contains tetramethyl acetyloctahydronaphthalenes, linalyl acetate, omega-pentadecalactone, D-Limonene. May produce an allergic reaction. Flam. Liq. 3: H226 - Flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.
SUPPLEMENTAL HAZARD INFORMATION	Ingredients - Denatured Alcohol, Parfum, Limonene, Linalool. Contains - Denatured Alcohol, Isopropylidene glycerol, Tetramethyl Acetyloctahydronaphthalenes, Linalyl Acetate, Pentadecalactone, Limonene.

2.3. Other hazards

Other hazards	This substance/mixture is not classified as PBT or vPvB according to current criteria. The substance/mixture does not contain substances with endocrine disrupting properties.
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Further information

	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
2,2-dimethyl-1,3-dioxolan-4-ylmethanol		100-79-8	202-888-7	01-2120066005-66		Eye Irrit. 2: H319;
Ethanol: Ethyl Alcohol (Ethanol)		64-17-5	200-578-6	01-2119457610-43		Flam. Liq. 2: H225; Eye Irrit. 2: H319;
1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone		54464-57-2	259-174-3	01-2119489989-04		Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 1: H410;
1,5-Dimethyl-1-vinylhex-4-en-1-yl acetate		115-95-7	204-116-4	01-2119454789-19		Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319;
Oxacyclohexadecan-2-one		106-02-5	203-354-6	01-2119987323-31		Skin Sens. 1: H317; Aquatic Chronic 2: H411;
D-Limonene	601-029-00-7	5989-27-5	227-813-5			Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
						1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone, CAS No. 54464-57-2 - M Factor (Chronic) = 1. 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one, CAS No. 1506-02-1 - M Factor (Acute/Chronic) = 1.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
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4.1. Description of first aid measures

Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash with water and soap as a precaution.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation	High concentration of vapour in enclosed space may cause irritation, headaches and nausea. May cause irritation to respiratory system.
Eye contact	Causes serious eye irritation.
Skin contact	May cause skin dryness and irritation. Prolonged contact may cause defatting of the skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	TREAT SYMPTOMATICALLY. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Flammable liquid. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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5.2. Special hazards arising from the substance or mixture

	Flammable liquid and vapour.
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5.3. Advice for firefighters

	Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear.
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Further information

	In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment. Flammable liquid. Avoid sparks, flames, heat and sources of ignition.
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6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Avoid sparks, flames, heat and sources of ignition.
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6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.
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SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Flammable liquid. Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light. Store in a well-ventilated place. Keep cool. Store in original container. Keep container tightly closed. Keep away from combustible material. Keep out of the reach of children.

7.3. Specific end use(s)

Air Freshener.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.

8.1.1. Exposure Limit Values

6,6-Dimethyl-2-methylenebicyclo [3.1.1]heptane	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: 140
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m3: 300
	WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Ethanol: Ethyl Alcohol (Ethanol)	WEL 8-hr limit ppm: 1000	WEL 8-hr limit mg/m3: 1920
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Ethanol: Ethyl Alcohol	Long-term - inhalation - Systemic effects	950 mg/m ³	Long-term - dermal - Systemic effects	343 mg/kg
	Long-term - inhalation - Local effects	1900 mg/m ³		

Exposure Pattern - General population

Ethanol: Ethyl Alcohol	Long-term - inhalation - Systemic effects	114 mg/m ³	Long-term - dermal - Systemic effects	206 mg/kg
	Long-term - inhalation - Local effects	950 mg/m ³		
	Long-term - oral - Systemic effects	87 mg/kg		

8.2. Exposure controls



Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact

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8.2. Exposure controls

	with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.
8.2.1. Appropriate engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.
Eye / face protection	Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Skin protection - Handprotection	Nitrile rubber gloves. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.
8.2.3. Environmental exposure controls	Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Pleasant
pH	4.2 - 6
Flash point	23 °C
Density / Relative Density	0.85 - 0.95 g/cm ³
Partition coefficient	No data available
Autoignition temperature	No data available
Odour threshold	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative Vapour Density	No data available
Melting point	No data available
Initial boiling point	No data available
Explosive properties	No data available
Oxidising properties	No data available
Viscosity	< 50 centipoise
Solubility	Immiscible in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

9.2.1. Information with regard to physical hazard classes

	No data is available on this product.
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9.2.2. Other safety characteristics

No data is available on this product.

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid. Stable under normal conditions.

10.2. Chemical stability

Flammable liquid. Stable under normal conditions.

10.3. Possibility of hazardous reactions

Oxidising agents. Combustible materials.

10.4. Conditions to avoid

Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light.

10.5. Incompatible materials

Oxidising agents.

10.6. Hazardous decomposition products

No Hazardous decomposition products when stored and handled correctly.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP). based on available data the classification criteria are not met.
Skin corrosion/irritation	based on available data the classification criteria are not met.
Serious eye damage/irritation	Eye Irrit. 2: H319 - Causes serious eye irritation.
Respiratory or skin 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-single exposure	based on available data the classification criteria are not met.
STOT-repeated exposure	based on available data the classification criteria are not met.
Aspiration hazard	based on available data the classification criteria are not met.
Repeated or prolonged exposure	based on available data the classification criteria are not met.

11.1.2. Mixtures

No data available.

11.1.3. Hazard Information

No data available.

11.1.4. Toxicological Information

2,2-dimethyl-1,3-dioxolan-4-ylmethanol	Dermal Rat LD50: >2000 mg/kg Inhalation Rat LC50/4 h: >5.11 mg/l	Oral Rat LD50: 7000 mg/kg
6,6-Dimethyl-2-methylenebicyclo [3.1.1]heptane	Dermal Rat LD50: 133848.9mg/kg	Oral Rat LD50: 37287.23mg/kg
Ethanol: Ethyl Alcohol	Oral Rat LD50: 10470.0 mg/kg Inhalation Rat LC50/4 h: 20 mg/l	Dermal Rabbit LD50: 15800.0 mg/kg

11.2 Information on other hazards

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11.2 Information on other hazards

No data is available on this product.

SECTION 12: Ecological information

12.1. Toxicity

2,2-dimethyl-1,3-dioxolan-4-ylmethanol	Daphnia EC50/48h: 96.0000 mg/l Fathead minnows LC50/96h: 16.7 mg/l	Algae EC50/72h: >92 mg/l
Ethanol: Ethyl Alcohol	Daphnia EC50/48h: 12340.0000 mg/l Green Algae EC50/48h: >100mg/l Rainbow trout LC50/96h: 13000 mg/l NOEC / EC10 for marine or freshwater organisms 9.6000 mg/l	Algae EC50/72h: 275 mg/l Fathead minnows LC50/96h: 14200 mg/l Golden orfe LC50/48h: >100 mg/l

12.2. Persistence and degradability

Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.

12.3. Bioaccumulative potential

The product is not bioaccumulating.

Partition coefficient

Supagard Kreed Type Air Freshener	No data available	Ethanol: Ethyl Alcohol -0.35 log P
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12.4. Mobility in soil

This product is soluble in water.

12.5. Results of PBT and vPvB assessment

This substance/mixture is not classified as PBT or vPvB according to current criteria.

12.6 Endocrine disrupting properties

No data is available on this product.

12.7. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

General information

Dispose of in compliance with all local and national requirements.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: Transport information

Hazard pictograms



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14.1. UN number	
	UN1170
14.2. UN proper shipping name	
	ETHYL ALCOHOL SOLUTION
14.3. Transport hazard class(es)	
ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-
14.4. Packing group	
Packing group	III
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
14.6. Special precautions for user	
	No additional special precautions.
14.7 Maritime Transport in bulk according to IMO instruments	
	Not applicable.
ADR/RID	
Hazard ID	30
Tunnel Category	(D/E)
IMDG	
EmS Code	F-E S-D
IATA	
Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulations	<p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>

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

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information**Other information**

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 2 - Other hazards. 2 - Further information. 2 - SUPPLEMENTAL HAZARD INFORMATION. 9 - 9.2.2. Other safety characteristics. 9 - 9.2.1. Information with regard to physical hazard classes. 11 - 11.2 Information on other hazards. 12 - 12.6 Endocrine disrupting properties. 12 - 12.7. Other adverse effects. 15 - Regulations.
Data sources	<p>Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008, as retained and amended in UK law.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour. - Flash Point - 23 degC.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation. - Calculation Method.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. - Calculation Method.</p>
Text of Hazard Statements in Section 3	<p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p>

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.