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FRAGRANCE OILS

BY SUPPLIES FOR CANDLES

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Savage (25% in NON HAZARDOUS BASE)**Version:** Preview

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

Product identifier: RADICAL FRAGRANCE 473502 (25% in NON HAZARDOUS BASE) (Contains:**Other identifiers:** None

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Supplies For Candles
Company address: Unit E Swinton Bridge Ind Est
Whitelee Road, Swinton,
South Yorkshire,
S64 8BH

Contact: Nicky Story
E-Mail address: info@SuppliesforCandles.co.uk
Company phone: +44 1709 588579

1.4 Emergency telephone number

Emergency phone: +44 1709 588579

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008**Version:** Preview

Class and category of danger: Sensitization - Skin Category 1

H317, May cause an allergic skin reaction.

Hazardous to the Aquatic Environment - Long-term Hazard Category 2

H411, Toxic to aquatic life with long lasting effects.

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2-Label elements

Product name: MEDICAL FRAGRANCE 473502 (25% in NON HAZARDOUS BASE)

Signal word: Warning

Hazard statements: H317, May cause an allergic skin reaction.

H411, Toxic to aquatic life with long lasting effects.

Supplemental Information:

EUH208, Contains (ETHOXYMETHYL)CYCLODODECANE, CITRONELLOL, LINALOOL, D-LIMONENE, METHYLENEDIOXYPHENYL METHYLPROPANAL, DIHYDRO PENTAMETHYLINDANONE (DPMI), METHYL 2,6,10-TRIMETHYLCYCLODODECA-2,5,9-TRIENYL KETONE, HELIOTROPINE. May produce an allergic reaction.

Precautionary statements:

P261, Avoid breathing vapour or dust. P273, Avoid release to the environment.

P272, Contaminated work clothing should not be allowed out of the workplace.

P280, Wear protective gloves/eye protection/face protection.

P302/352, IF ON SKIN: Wash with plenty of soap and water.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P363, Wash contaminated clothing before reuse.

P391, Collect spillage.

P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.



Pictograms:

Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration		Classification for (CLP) 1272/2008
			No.	%	
TETRAMETHYL					
ACETYLOCTAHYDRON APHTHALENES	54464-57-2	259-174-3	1-<5% H315-H317-H410,FL 3-SCI		SCI 2-SS 1B-EH C1; 2-SS 1B-AH
					SCI 2-EDI 2;H315-
4LH					



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	LINALYL ACETATE 115-95-7	204-116-4	01-2119454789-19	1-<5% H319,1-EH A1-EH C1;H226-
D-LIMONENE	5989-27-5	227-813-5		0.1-<1% H304-H315- H317H410,- EH A1-EH C2;H400-
OXACYCLOHEXADEC	34902-57-3,	422-320-3	01-0000016883-62	0.1-<1%
ENONE (ETHOXYMETHYL)	111879-80-2			H411,- SCI 2-SS 1B-EH C2;
	58567-11-6	261-332-1		0.1-<1%
CYCLODODECANE				H315-H317-H411,- SCI 2-EDI 2-SS 1B; H315-H317-H319,-
LINALOOL	78-70-6	201-134-4	01-2119474016-42	0.1-<1%
METHYL 2,6,10- TRIMETHYLCYCLODO	28371-99-5,	248-995-2		SS 1-EH A1-EH C1;
DECA-2,5,9-TRIENYL	144020-22-4			H317-H410,-
KETONE TETRAMETHYL-4-				EDI 1-EH C2;H318H411,-
METHYLENEHEPTAN- 2-ONE	83926-73-2	420-630-3	01-0000016725-66	0.1-<1%
HELIOTROPINE	120-57-0	204-409-7		0.1-<1% SS 1B;H317,-
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DIHYDRO PENTAMETHYLINDAN	33704-61-9	251-649-3	0.1-<1%	C2;H315-H317-H319ONE (DPMI) H411,- SCI 2-EDI 2-SS 1B;
CITRONELLOL	106-22-9	203-375-0	01-2119453995-23	0.1-<1%
ENYL	1205-17-0214-881-6			0.1-<1%
METHYLENEDIOXYPH				H315-H317-H319,- SS 1B-EH C2;H317- H411,-
METHYLPROPANAL				FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-
BETA-PINENES	127-91-3	204-872-5		<0.1% H304-H315-H317- H410,- FL 3-AH 1;H226-H304,
GAMMA-TERPINENE	99-85-4	202-794-6		<0.1% -
ALPHA GUAIENE	3691-12-1			<0.1% SCI 2-EDI 2-AH 1;
ALPHA-PINENES	80-56-8	201-291-9		<0.1% H304-H315-H319,FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-
ALPHA- PHELLANDRENE BETA-	99-83-2	202-792-5		<0.1% H304-H315-H317- H410,- FL 3-AH 1;H226-H304,
				- SS 1B-AH 1;H304-

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CARYOPHYLLENE	87-44-5	201-746-1		<0.1%	H317,- FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315-
MYRCENE	123-35-3	204-622-5		<0.1%	H319,- FL 3-AH 1-EH C2;
P-CYMENE	99-87-6	202-796-7		<0.1%	H226 H304 H411, SS 1B-AH 1-EH A1-EH
TERPINOLENE	586-62-9	209-578-0		<0.1%	C1;H304-H317-H410,- AH 1;H304,-
FARNESENE	18794-84-8	242-582-0		<0.1%	FL 3-SCI 2-SS 1B-AH 1;H226 H304 H315- H317,-
3-CARENE	13466-78-9	236-719-3		<0.1%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-
D,L-LIMONENE	138-86-3	205-341-0		<0.1%	H304-H315-H317- H410,- FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-
L-LIMONENE	5989-54-8	227-815-6	01-2119958629-18	<0.1%	H304-H315-H317- H410. Substances

with Community workplace exposure limits:

Name	CAS	EC	% HYDROXYTOLUENE)
Preview			
ALCOHOL		64-17-5	200-578-6
BHT (BUTYLATED)		128-37-0	204-881-4
DIETHYL PHTHALATE		84-66-2	201-550-6
FURFURAL		98-01-1	202-627-7

ALCOHOL	64-17-5	200-578-6	<0.1%
BHT (BUTYLATED)	128-37-0	204-881-4	<0.1%
DIETHYL PHTHALATE	84-66-2	201-550-6	10-<20%
FURFURAL	98-01-1	202-627-7	<0.1%

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%: Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

IF ON SKIN: Wash with plenty of soap and water.

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4.2 Most important symptoms and effects, both acute and delayed



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4.3 Indication of any immediate medical attention and special treatment

needed **Preview** May cause an allergic skin

reaction.

None expected, see Section 4.1 for further information.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

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Also refer to sections 8 and 13.

Section 7. Handling and storage



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7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take

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precautionary measures against static discharge.

7.3 Specific end use(s):

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Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection



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8.1 Control parameters

Workplace exposure limits:

Ingredient	CAS	EC	Description	Value
ALCOHOL	64-17-5	200-578-6	Long-term exposure limit (8-hour TWA) (ppm)	1000
			Long-term exposure limit (8-hour TWA) (mg/m3)	1920
BHT (BUTYLATED HYDROXYTOLUENE)	128-37-0	204-881-4	Long-term exposure limit (8-hour TWA) (mg/m3)	10
DIETHYL PHTHALATE	84-66-2	201-550-6	Long-term exposure limit (8-hour TWA) (mg/m3)	5
			Short-term exposure limit (15-minute) (mg/m3)	10
FURFURAL	98-01-1	202-627-7	Long-term exposure limit (8-hour TWA) (ppm)	2
			Long-term exposure limit (8-hour TWA) (mg/m3)	8
			Short-term exposure limit (15-minute) (ppm)	5
			Short-term exposure limit (15-	20

minute) (mg/m3)

Preview

Eye / Skin Protection

8.2 Exposure Controls

Wear protective gloves/eye protection/face protection

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is



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Product: RADICAL FRAGRANCE 473502 (25% in NON HAZARDOUS BASE)
openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

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Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical

properties **Preview**

Appearance:	Not determined
Odour:	Not determined
Odour threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapour pressure:	Not determined
Vapour density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not expected
Oxidising properties:	Not expected
9.2 Other information:	None available

Section 10. Stability and reactivity



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10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

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10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

Preview

10.6 Hazardous decomposition products :

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

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).

Acute Toxicity: Based on available data the classification criteria are not met.

Acute Toxicity Oral Not Applicable Acute Toxicity Dermal

Not Applicable

Acute Toxicity Inhalation Not Available

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. **Respiratory or skin**

sensitisation: Sensitization - Skin Category 1

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



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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.

Information about hazardous ingredients in the mixture

Not Applicable

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

Preview

12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:

Not readily biodegradable :	0.0230 %
Inherently biodegradable :	0.0053 %
Test data unavailable :	4.5303 %
Readily biodegradable :	5.0565 %

12.3 Bioaccumulative potential: Not available

Version: Preview

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, annex

Preview

12.6 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

14.1 UN number: UN3082



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Product: RADICAL FRAGRANCE 473502 (25% in NON HAZARDOUS BASE)
14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, DLIMONENE)
14.3 Transport hazard class(es): 9
Sub Risk: -
14.4. Packing Group: III
14.5 Environmental hazards: This is an environmentally hazardous substance.
14.6 Special precautions for user: None additional
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

Section 15. Regulatory information

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

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this

product.

Preview

Section 16. Other information

Concentration % Limits: EH C2=96.40% EH C3=9.64% SS 1=74.07%

Total Fractional Values: EH C2=1.04 EH C3=10.37 SS 1=1.35

Key to revisions:

Not applicable

Key to abbreviations:

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Abbreviation

Meaning

AH 1

Aspiration Hazard Category 1

EDI 2

Eye Damage / Irritation Category 2

EDI 1

Eye Damage / Irritation Category 1

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Product: RADICAL FRAGRANCE 473502 (25% in NON HAZARDOUS BASE)
 P363 Wash contaminated clothing before reuse.
 P370/378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
 P391 Collect spillage.
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P403/235 Store in a well-ventilated place. Keep cool.

P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local

Preview

regulations.

SCI 2 Skin Corrosion / Irritation Category 2
 SS 1 Sensitization - Skin Category 1
 SS 1B Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.



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