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

1.1. Product identifier

Commercial Product Name : 871900

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

Main use category : Consumer use
 Specific use(s) : Fragrance
 Liquid absorbed by inert carrier material

1.3. Details of the supplier of the safety data sheet

Company : Kaz Europe SA
 Place Chauderon 18
 CH-1003 -Lausanne , Switzerland
 Tel. +41 21 644 01 70
 Fax: +41 21 644 01 11
 E-mail address: rkasbekar@kaz.com

1.4. Emergency telephone number

Emergency telephone : 813-979-0626 - CHEMTEL
 CONTRACT # MIS0002655 (This telephone number is available 24 hours per day, 7 days per week.)

IRELAND (REPUBLIC OF)
 National Poisons Information Centre
 Beaumont Hospital +353 1 8379964
 UNITED KINGDOM
 National Poisons Information Service
 (Birmingham Centre) +44 (0) 870 600 6266 (UK only)
 City Hospital

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008

CLP-Classification : The product is classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

Flam. Liq. 3 H226
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319
 Skin Sens. 1 H317
 Aquatic Chronic 2 H411

Full text of H-phrases: see section 16

2.1.2. Classification according to EU Directives 67/548/EC or 1999/45/EC

Classification : The mixture is classified as dangerous in accordance with Directive 1999/45/EC.

Xi; R38
 Xi; R43
 N; R51/53

Full text of R-phrases: see section 16

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2.2. Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

CLP pictograms :



Signal word :

Warning

Contains :

Eucalyptus oil

Cedarleaf Oil

Hazard statements (CLP) :

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P102 - Keep out of reach of children.

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P273 - Avoid release to the environment.

P280 - Wear protective gloves.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/ attention.

2.2.2. Labelling according to Directives (67/548 - 1999/45)

Not relevant

2.3. Other hazards

Other hazards which do not result in classification :

Results of PBT and vPvB assessment :
no data available .

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Eucalyptus oil	(CAS No.) 8000-48-4 (EC No) 286-249-8	35 - 50	Xi; R38 Xi; R43 N; R51/53
(+)-menthol	(CAS No.) 15356-60-2 (EC No) 239-387-8	20 - 35	Xi; R38
Cedarleaf Oil	(CAS No.) 8007-20-3 (EC No) 290-370-1	5 - 9,9	Xn; R22 Xn; R65 Xi; R43 N; R51/53 R10
Thymol	(CAS No.) 89-83-8 (EC No) 201-944-8 (EC Index) 604-032-00-1	1 - 4,9	Xn; R22 C; R34 N; R51/53

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Eucalyptus oil	(CAS No.) 8000-48-4 (EC No) 286-249-8	35 - 50	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
(+)-menthol	(CAS No.) 15356-60-2 (EC No) 239-387-8	20 - 35	Skin Irrit. 2, H315

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Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cedarleaf Oil	(CAS No.) 8007-20-3 (EC No) 290-370-1	5 - 9,9	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 Skin Sens. 1, H317
Thymol	(CAS No.) 89-83-8 (EC No) 201-944-8 (EC Index) 604-032-00-1	1 - 4,9	Skin Corr. 1B, H314 Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411

Full text of R-, H- and EUH-phrases: see section 16

Identification of the mixture : Liquid absorbed by inert carrier material
Contains organic solvents.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation : Keep at rest.
Move to fresh air.
If you feel unwell, seek medical advice.

Skin contact : Take off contaminated clothing and shoes immediately.
After contact with skin, wash immediately with plenty of water and soap.
Wash contaminated clothing before reuse.
Get medical attention if irritation develops and persists.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Take victim to a doctor if irritation persists

Ingestion : Do NOT induce vomiting.
Drink 1 or 2 glasses of water.
Never give anything by mouth to an unconscious person.
If you feel unwell, seek medical advice.

Additional advice : Never give anything by mouth to an unconscious person or a person with cramps.
Show this safety data sheet to the doctor in attendance.
Treat symptomatically.

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

Inhalation : No adverse effects are expected. May be irritating.

Skin contact : Irritating to skin. May cause sensitisation by skin contact.

Eye contact : No adverse effects are expected. May be irritating.

Ingestion : No adverse effects are expected. May be harmful if swallowed.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray or alcohol resistant foam.

Extinguishing media which shall not be used for safety reasons : High volume water jet

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable

Specific hazards : Vapours may form explosive mixture with air.
Vapours are heavier than air and may spread along floors.
Possible decomposition products are: CO_x

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Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3. Advice for firefighters

Advice for firefighters : Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.
In the event of fire, cool tanks with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel : Wear personal protective equipment.
See also section 8 .
Do not breathe vapour.
Avoid contact with skin, eyes and clothing.
Keep away from open flames, hot surfaces and sources of ignition.
Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixture with air.

Advice for emergency responders : Only qualified personnel equipped with suitable protective equipment may intervene.
See also section 8.

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.
Dispose of as special waste in compliance with local and national regulations.

6.4. Reference to other sections

See also section 8
See also section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling : Ensure adequate ventilation.
Wear personal protective equipment.
See also section 8 .
Avoid contact with skin, eyes and clothing.
Avoid inhalation of the product.
Keep away from open flames, hot surfaces and sources of ignition.
Do not smoke.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep tightly closed in a dry, cool and well-ventilated place.
Keep away from open flames, hot surfaces and sources of ignition.
Do not store near or with any of the incompatible materials listed in section 10.
Protect against light.

7.3 Specific end use(s)

No data available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) : No data available

8.2. Exposure controls

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : Respirator with a full face mask (EN 136),
Respirator with a half face mask (EN 140),
Recommended Filter type: A (EN 141).
In the case of hazardous fumes, wear self contained breathing apparatus. (EN 137).

Hand protection : Protective gloves (EN 374). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.

Eye protection : Tightly fitting safety goggles (EN166).

Skin and body protection : Chemical resistant apron (EN 466).

Thermal hazard protection : Not required under normal use.

Engineering measures : Use only in area provided with appropriate exhaust ventilation.
Organisational measures to prevent /limit releases, dispersion and exposure
See also section 7

Environmental exposure controls : The product should not be allowed to enter drains, water courses or the soil.
Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : Liquid absorbed by inert carrier material

Colour : Colourless to yellow

Odour : Eucalyptus oil, mint-like

pH : no data available

Melting point/range : no data available

Boiling point/boiling range : no data available

Flash point : 58,8 °C

Evaporation rate : no data available

Explosion limits : no data available

Vapour pressure : no data available

Vapour density : no data available

Relative density : 0,93 @ 25°C

Partition coefficient: n-octanol/water : no data available

Autoignition temperature : no data available

Explosive properties : Not applicable.

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Oxidizing properties : no data available

9.2. Other information

Volatile organic compounds (VOC) content : 100 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : See also section 10.5

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No data available

10.4. Conditions to avoid

Conditions to avoid : Heat, flames and sparks.
See also section 7

10.5. Incompatible materials

Incompatible materials : Oxidizing agents, Acids, alkaline . See also section 7

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide Carbon dioxide (CO2)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met.)

Thymol (89-83-8)	
LD50/oral/rat	980 mg/kg
LD50/dermal/rat	> 2000 mg/kg

Cedarleaf Oil (8007-20-3)	
LD50/oral/rat	830 mg/kg
LD50/dermal/rabbit	4100 mg/kg
ATE (oral)	500,00000 mg/kg

Eucalyptus oil (8000-48-4)	
LD50/oral/rat	2480 mg/kg
LD50/dermal/rabbit	2480 mg/kg
ATE (oral)	2480 mg/kg
ATE (dermal)	2480 mg/kg

Skin corrosion/irritation : Causes skin irritation.
pH: no data available

Serious eye damage/irritation : Causes serious eye irritation.
pH: no data available

Respiratory/skin sensitisation : May cause an allergic skin reaction.

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- Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met.)
- Carcinogenicity : Not classified (Based on available data, the classification criteria are not met.)
- Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met.)
- Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met.)
- Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met.)
- Aspiration hazard : Not classified (Based on available data, the classification criteria are not met.)

Further information

Symptoms related to the physical, chemical and toxicological characteristics, See section 4.2.

SECTION 12: Ecological information

12.1. Toxicity

- Ecotoxicity effects : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Thymol (89-83-8)	
LC50/96h/fish	5 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
LC50 fish 2	3,2 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and degradability

- Persistence and degradability :

12.3. Bioaccumulative potential

- Bioaccumulation : No data available
- Partition coefficient: n-octanol/water : no data available

12.4. Mobility in soil

- Mobility :

12.5. Results of PBT and vPvB assessment

- PBT/vPvB : No data available

12.6. Other adverse effects

- Further information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste from residues / unused products : Dispose of as hazardous waste in compliance with local and national regulations.
- Contaminated packaging : Dispose of in accordance with local regulations.
- Additional ecological information : Should not be released into the environment.
- Waste codes / waste designations according to EWC / AVV : The following Waste Codes are only suggestions:
150110 - packaging containing residues of or contaminated by dangerous substances
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

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SECTION 14: Transport information

14.1. UN number

UN-No. : NA

14.2. UN proper shipping name

Proper shipping name : NA

14.3. Transport hazard class(es)

14.3.1. Overland transport

ADR/RID : Special Provisions 216
Class : Not applicable

14.3.2. Inland waterway transport (ADN)

No data available

14.3.3. Transport by sea

IMDG : Special Provisions 216
Class : Not applicable

14.3.4. Air transport

ICAO/IATA : Special Provisions A46
Class : Not applicable

14.4. Packing group

Packing group : NA

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Restrictions on use : Not applicable

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC.

: None.

Authorisations : Not applicable

Volatile organic compounds (VOC) content : 100 %

15.1.2. National regulations

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15.2. Chemical safety assessment

Chemical Safety Assessment : No data available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	: Acute toxicity Category 4
Aquatic Chronic 2	: Hazardous to the aquatic environment - chronic hazard category 2
Asp. Tox. 1	: Aspiration hazard Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation Category 2
Flam. Liq. 3	: Flammable liquids Category 3
Skin Corr. 1B	: skin corrosion/irritation Category 1B
Skin Irrit. 2	: skin corrosion/irritation Category 2
Skin Sens. 1	: Skin sensitisation, hazard category 1
H226	: Flammable liquid and vapour.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H411	: Toxic to aquatic life with long lasting effects.
R10	: Flammable.
R22	: Harmful if swallowed.
R34	: Causes burns.
R38	: Irritating to skin.
R43	: May cause sensitisation by skin contact.
R51/53	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	: Harmful: may cause lung damage if swallowed.
C	: Corrosive
N	: Dangerous for the environment
Xi	: irritating
Xn	: Harmful

Sources of key data used to compile the datasheet : European Chemicals Bureau www.ffa.be
Suppliers MSDS.

Safety datasheet sections which have been updated: : 2,3,11,14,15,16

Abbreviations and acronyms : persistent, bioaccumulating and toxic (PBT).
vPvB = very persistent and very bioaccumulating
TWA= time weighted average
TLV= Threshold limits
STEL= Short term exposure limit
NA = not applicable
ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods Code
LEL = Lower Explosive Limit/Lower Explosion Limit
UEL = Upper Explosion Limit/Upper Explosive Limit
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

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The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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