



Trade name: Tetrarome Orange CE 987429 / Pharmaton

Date revised: 22.05.08

Dangerous substance number:

Version: 1 / CH

Date of printing: 22.05.08

01. Identification of the substance/preparation and of the company/undertaking

Trade name

Tetrarome Orange CE 987429 / Pharmaton
Item-No. 01681700

Company/undertaking identification

Address

Hänseler AG
Industriestrasse 35
9101 Herisau
Telephone no. 0041 (0)71 353 58 58
Emergency telephone 0041 (0)44 251 51 51

02. Hazards identification

Classification

Classification F, R11
R43
N, R51/53

Hazard symbols

F Highly flammable
Xi Irritant
N Dangerous for the environment

R phrases

11 Highly flammable.
43 May cause sensitization by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

03. Composition / information on ingredients

Chemical characterization

Mixture of aromatic substances

Hazardous ingredients

Dipentene

CAS no. 138-86-3
EINECS no. 205-341-0
Concentration \geq 1 < 10 %
Classification Xi, R38-R43
N, R50/53
R10

Ethanol

CAS no. 64-17-5
EINECS no. 200-578-6
Concentration \geq 50 %
Classification F, R11

04. First aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely.

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After inhalation

Remove the casualty into fresh air and keep him calm.. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water and rinse well.. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).. By continuous complaints consult a physician.

After ingestion

Rinse mouth thoroughly with water.. Drink water in small gulps.. Seek medical advice immediately.

Hints for the physician / treatment

At potential poisoning medical treatment is absolute necessary.

05. Fire-fighting measures**Suitable extinguishing media**

Dry chemical extinguisher, Carbon dioxide, Alcohol-resistant foam, Water mist

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

Avoid inhalation of smoke and vapours.

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

06. Accidental release measures**Personal precautions**

Keep away from sources of ignition - No smoking.. Avoid contact with eyes and skin.. Wear gauntlets (possible from natural rubber) to remove spilled product.. Ensure adequate ventilation.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder).. When picked up, treat material as prescribed under heading "Disposal".. Do not pick up with the help of saw-dust or other combustible substances.

07. Handling and storage**Handling****Advice on safe handling**

Keep away from heat and sources of ignition.. Ensure adequate ventilation.. Avoid contact with skin and eyes.

Storage**Requirements for storage rooms and vessels**

Not reuse empty containers.

Further information on storage conditions

Keep container tightly closed.

08. Expose controls/personal protection**Exposure limit values****Ethanol**

Type

MAK



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Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	1000	ppm(V)
Short-term exposure limit	4x15			
Pregnancy group	C			

General protective and hygiene measures

Wash thoroughly after work.

Occupational exposure controls**Respiratory protection**

If ventilation insufficient, use a respiratory protection apparatus.; Provide adequate ventilation.

Hand protectionProtective gloves
Appropriate Material rubber**Eye protection**

Safety glasses

Skin protection

Impermeable protective clothing

09. Physical and chemical properties**General information**Form liquid
Colour light yellow
Odour characteristic**Important health, safety and environmental information****Flash point**

Value 17 °C

DensityValue 0.806 to 0.816
temperature 20 °C**10. Stability and reactivity****Conditions to avoid**

Protect from warmth.. Protect from heat and direct sunlight.

Materials to avoid

Oxidising agents

Thermal decomposition

Remarks Stable at ambient temperature.

11. Toxicological information**Effects after repeated or prolonged exposition (subacute, subchronic, cronic)****Other information**

Product specific toxicological data are not known.

12. Ecological information**General information / ecology**

Ecological data are not available.

13. Disposal considerations

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Disposal recommendations for the product

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information**Land transport ADR/RID**

UN number	1197
Class	3
Packing group	II
Label	3
Technical name	EXTRACTS, FLAVOURING, LIQUID
Special provision	640D

Marine transport IMDG/GGVSee

UN number	1197
Class	3
Packing group	II
Technical name	EXTRACTS, FLAVOURING, LIQUID

Air transport ICAO/IATA

UN number	1197
Class	3
Packing group	II
Technical name	EXTRACTS, FLAVOURING, LIQUID

15. Regulatory information**Labelling in accordance with EC directives**

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

F	Highly flammable
Xi	Irritant
N	Dangerous for the environment

Hazardous component(s) to be indicated on label

contains Dipentene

R phrases

11	Highly flammable.
43	May cause sensitization by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

16	Keep away from sources of ignition - No smoking.
24	Avoid contact with skin.
37	Wear suitable gloves.
57	Use appropriate container to avoid environmental contamination.
61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. Other information**Other information**

Concentrated aromatic raw material
Not appropriate for the personal use in this form and concentration.
Only for industrial use.

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R-phrases of the ingredients listed in chapter 2

10	Flammable.
11	Highly flammable.
38	Irritating to skin.
43	May cause sensitization by skin contact.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.