

**1 Identification**

· **Product identifier**

· **Trade name(s):** THYME OIL WHITE WONF

· **Article number(s):** 49800

· **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.

· **Details of the supplier of the safety data sheet**

· **MANUFACTURER / SUPPLIER:**

NOW Health Group, Inc  
NOW Foods  
395 S. Glen Ellyn Rd.  
Bloomington, IL 60108

EMERGENCY CONTACTS: CHEM-TEL, Inc. USA  
1 800 255-3924 Non-Emergency Contact: 630-545-9098

· **Information Department:**  
Chem Tel: 1 800 255-3924

· **Emergency telephone number:** Chem Tel: 1 800 255-3924

**2 Hazard(s) identification**

· **Classification of the substance or mixture**



GHS08 Health hazard

H304 May be fatal if swallowed and enters airways.



GHS05 Corrosion

H314 Causes severe skin burns and eye damage.



GHS07

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H227 Combustible liquid.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

**Dangerous Ingredients:**



C; Corrosive

R34: Causes burns.



Xn; Harmful

R22-65: Harmful if swallowed. Harmful: may cause lung damage if swallowed.



Xi; Irritant

R38-43: Irritating to skin. May cause sensitization by skin contact.

(Contd. on page 2)

**Trade name(s): THYME OIL WHITE WONF**

(Contd. of page 1)



*N*; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

**Label elements**

**Labelling according to EU guidelines:**

The product has been classified and marked in accordance with directives on hazardous materials.

**Code letter and hazard designation of product:**

C Corrosive

N Dangerous for the environment

**Hazard-determining components of labeling:**

Cymene, -para

Linalool

Pinene, -alpha

Thymol

**Risk phrases:**

22 Harmful if swallowed.

34 Causes burns.

38 Irritating to skin.

43 May cause sensitization by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

65 Harmful: may cause lung damage if swallowed.

**Safety phrases:**

16 Keep away from sources of ignition - No smoking.

20 When using do not eat or drink.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately.

57 Use appropriate container to avoid environmental contamination.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



Health = 3

Fire = 2

Reactivity = 0

**WHMIS-ratings (scale 0 - 4)**

HEALTH	3
FIRE	2
REACTIVITY	0

Health = 3

Fire = 2

Reactivity = 0

**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Trade name(s): THYME OIL WHITE WONF**

(Contd. of page 2)

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 89-83-8 EINECS: 201-944-8 Index number: 604-032-00-1 RTECS: XP 2275000	Thymol ⚠ H314; ⚠ H302
CAS: 99-87-6 EINECS: 202-796-7 RTECS: GZ 5950000	Cymene, -para ⚠ H226; ⚠ H304
CAS: 99-85-4 EINECS: 202-794-6	gamma Terpinene ⚠ H226; ⚠ H304; ⚠ H302; H315; H319
CAS: 78-70-6 EINECS: 201-134-4 RTECS: RG 5775000	Linalool ⚠ H317; H227
CAS: 499-75-2 EINECS: 207-889-6 RTECS: FI 1225000	Carvacrol ⚠ H302; H315
CAS: 80-56-8 EINECS: 201-291-9	Pinene, -alpha ⚠ H226; ⚠ H304; ⚠ H315; H317
CAS: 98-55-5 EINECS: 202-680-6	TERPINEOL ALPHA, NAT FCC ⚠ H301; H227
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7 RTECS: GW 6360000	Limonene, -d ⚠ H226; ⚠ H304; ⚠ H315; H317
CAS: 99-86-5 EINECS: 202-795-1	Terpinene, -alpha ⚠ H226; ⚠ H304; ⚠ H302

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Immediately remove any clothing soiled by the product.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Immediately call a doctor.  
Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

USA

(Contd. on page 4)

**Trade name(s): THYME OIL WHITE WONF**

(Contd. of page 3)

### **5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:**  
*CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Advice for firefighters**
- **Protective equipment:** *No special measures required.*

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
*Wear protective equipment. Keep unprotected persons away.*
- **Environmental precautions:**  
*Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.*
- **Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.*
- **Reference to other sections**  
*See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.*

### **7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
*Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Wear gloves and eye protection. Avoid inhalation and contact with skin and eyes. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.*
- **Information about protection against explosions and fires:** *Keep ignition sources away - Do not smoke.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
*It is recommended that this material be stored in a cool, dry, well ventilated area, in tightly sealed, full containers.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Keep receptacle tightly sealed.*
- **Specific end use(s)** *No further relevant information available.*

### **8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** *No further data; see item 7.*

(Contd. on page 5)

**Trade name(s): THYME OIL WHITE WONF**

(Contd. of page 4)

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**80-56-8 Pinene, -alpha**

TLV ( )	Long-term value: 112 mg/m <sup>3</sup> , 20 ppm (SEN) NIC-DSEN
---------	---

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

Values are indicative. Consult product specification for product specific ranges.

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Liquid

**Color:** Not determined.

· **Odor:** Characteristic

· **Odour threshold:** Not determined.

(Contd. on page 6)

**Trade name(s): THYME OIL WHITE WONF**

(Contd. of page 5)

· <b>pH-value:</b>	<i>Not determined.</i>
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	<i>Undetermined.</i>
<b>Boiling point/Boiling range:</b>	<i>Undetermined.</i>
· <b>Flash point:</b>	<i>63 °C (145 °F)</i>
· <b>Flammability (solid, gaseous):</b>	<i>Not applicable.</i>
· <b>Ignition temperature:</b>	<i>435 °C (815 °F)</i>
· <b>Decomposition temperature:</b>	<i>Not determined.</i>
· <b>Auto igniting:</b>	<i>Product is not selfigniting.</i>
· <b>Danger of explosion:</b>	<i>Product does not present an explosion hazard.</i>
· <b>Explosion limits:</b>	
<b>Lower:</b>	<i>0.7 Vol %</i>
<b>Upper:</b>	<i>5.6 Vol %</i>
· <b>Vapor pressure at 20 °C (68 °F):</b>	<i>9 hPa (7 mm Hg)</i>
· <b>Density at 20 °C (68 °F):</b>	<i>0.925 g/cm<sup>3</sup> (7.719 lbs/gal)</i>
· <b>Relative density</b>	<i>Not determined.</i>
· <b>Vapour density</b>	<i>Not determined.</i>
· <b>Evaporation rate</b>	<i>Not determined.</i>
· <b>Solubility in / Miscibility with Water:</b>	<i>Not miscible or difficult to mix.</i>
· <b>Partition coefficient (n-octanol/water):</b>	<i>Not determined.</i>
· <b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not determined.</i>
<b>Kinematic:</b>	<i>Not determined.</i>
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	<i>25.5 %</i>
<b>Water:</b>	<i>0.0 %</i>
· <b>Other information</b>	<i>No further relevant information available.</i>

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

-USA-

(Contd. on page 7)

Trade name(s): **THYME OIL WHITE WONF**

(Contd. of page 6)

## 11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

### 89-83-8 Thymol

Oral	LD50	980 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)
	LC50	3.2 mg/l (Fish)

### 99-87-6 Cymene, -para

Oral	LD50	3200 mg/kg (Rat)
------	------	------------------

### 5989-27-5 Limonene, -d

Oral	LD50	>5000 mg/kg (Rabbit)
Dermal	LD50	>5000 mg/kg (Rabbit)

· Primary irritant effect:

· on the skin:

Caustic effect on skin and mucous membranes.  
Irritant to skin and mucous membranes.

· on the eye: Strong caustic effect.

· Sensitization: Sensitization possible through skin contact.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

5989-27-5	Limonene, -d	3
-----------	--------------	---

## 12 Ecological information

· Toxicity

· Aquatic toxicity:

### 89-83-8 Thymol

EC50	1.7 mg/l (Daphnia magna)
------	--------------------------

· Persistence and degradability No further relevant information available.

· Behavior in environmental systems:

· Bioaccumulative potential No further relevant information available.

· Mobility in soil No further relevant information available.

· Ecotoxicological effects:

· Remark: Toxic for fish

· Additional ecological information:

· General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

(Contd. on page 8)

**Trade name(s): THYME OIL WHITE WONF**




(Contd. of page 7)

- *Toxic for aquatic organisms*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### \* 14 Transport information


· <b>UN-Number</b>	
· <b>DOT, ADR, IMDG, IATA</b>	UN1760
· <b>UN proper shipping name</b>	
· <b>DOT, IATA</b>	CORROSIVE LIQUID, N.O.S. (Phenol, 5-methyl-2-(1-methylethyl)-)
· <b>ADR</b>	1760 CORROSIVE LIQUID, N.O.S. (Phenol, 5-methyl-2-(1-methylethyl)-), ENVIRONMENTALLY HAZARDOUS
· <b>IMDG</b>	CORROSIVE LIQUID, N.O.S. (Phenol, 5-methyl-2-(1-methylethyl)-, CYMENES), MARINE POLLUTANT
· <b>Transport hazard class(es)</b>	
· <b>DOT</b>	
	
· <b>Class</b>	8 Corrosive substances.
· <b>Label</b>	8
· <b>ADR</b>	
	
· <b>Class</b>	8 (C9) Corrosive substances
· <b>Label</b>	8
· <b>IMDG</b>	
	
· <b>Class</b>	8 Corrosive substances.

(Contd. on page 9)



**Trade name(s): THYME OIL WHITE WONF**

(Contd. of page 8)

· <b>Label</b>	8
· <b>IATA</b>	
	
· <b>Class</b>	8 Corrosive substances.
· <b>Label</b>	8
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	Product contains environmentally hazardous substances: (R)-p-mentha-1,8-diene, Phenol, 5-methyl-2-(1-methylethyl)-
· <b>Marine pollutant:</b>	Yes Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Corrosive substances
· <b>Danger code (Kemler):</b>	80
· <b>EMS Number:</b>	F-A,S-B
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Remarks:</b>	Special marking with the Marine Pollutant symbol (fish and tree) and the provisions specific to Marine Pollutants do not apply unless all or part of the transportation is by vessel. The provisions specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicle, rail car or aircraft, See 49CFR 171.4c
· <b>UN "Model Regulation":</b>	UN1760, Corrosive liquids, n.o.s. (Phenol, 5-methyl-2-(1-methylethyl)- ), ENVIRONMENTALLY HAZARDOUS, 8, III

\* **15 Regulatory information**

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

 · **Sara**

 · **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

 · **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

 · **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

 · **Proposition 65**

 · **Chemicals known to cause cancer:**

None of the ingredients is listed.

 · **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

(Contd. on page 10)

**Trade name(s): THYME OIL WHITE WONF**

(Contd. of page 9)

**· Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**· Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**· Cancerogenity categories**

**· TLV (Threshold Limit Value established by ACGIH)**

80-56-8 | Pinene, -alpha

A4

**· International Chemical Inventories**

**· DSL Canadian Domestic Substances List**

All ingredients are listed.

**· Australian Inventory of Chemical Substances**

All ingredients are listed.

**· Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

**· Hazard symbols:**

C Corrosive

N Dangerous for the environment

**· Hazard-determining components of labeling:**

Cymene, -para

Linalool

Pinene, -alpha

Thymol

**· Risk phrases:**

22 Harmful if swallowed.

34 Causes burns.

38 Irritating to skin.

43 May cause sensitization by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

65 Harmful: may cause lung damage if swallowed.

**· Safety phrases:**

16 Keep away from sources of ignition - No smoking.

20 When using do not eat or drink.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately.

57 Use appropriate container to avoid environmental contamination.

**· National regulations:**

**· Technical instructions (air):**

Class	Share in %
NK	25.5

**· Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

**· Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

USA

(Contd. on page 11)

**Trade name(s): THYME OIL WHITE WONF**

(Contd. of page 10)

## **16 Other Information**

***This Information is supplied by our vendor.***

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*ACGIH: American Conference of Governmental Industrial Hygienists*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*NFPA: National Fire Protection Association (USA)*

*HMIS: Hazardous Materials Identification System (USA)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

· **\* Data compared to the previous version altered.**

USA