

# SPECTRUM LIQUID 400

## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY

<b>Name</b>	<b>SPECTRUM LIQUID 400</b>
<b>Nature / Use</b>	Seasoning and flavouring premixture of organoleptic feed additives for feed use only.
<b>N° CAS / CE / Reach</b>	Not applicable, it is a mixture.
<b>UFI code</b>	5WG2-XHG8-F00N-CDCV
<b>Details of the supplier of the data sheet</b>	NATURAL INGREDIENTS_18, Rue Léon Deverteuil_ZI de Beaulieu 85640 MOUCHAMPS_FRANCE
<b>Telephone number</b>	+33 (0)2 41 64 13 87 // + 33 (0)6 61 74 17 17
<b>Contact e mail</b>	<a href="mailto:desaillyhd@hotmail.com">desaillyhd@hotmail.com</a> // <a href="mailto:qualite@naturalingredients.fr">qualite@naturalingredients.fr</a> // <a href="mailto:contact@naturalingredients.fr">contact@naturalingredients.fr</a>
<b>Urgency telephone</b>	<ul style="list-style-type: none"> <li>- NATURAL INGREDIENTS : +33 (0)2 41 64 13 87 // +33 (0)6 61 74 17 17</li> <li>- Health emergency telephone number of the National Poison Center FRANCE : +33 (0)3 83 85 21 92 // +33 (0)1 45 42 59 59 POLAND_Bureau for Chemical Substances :+48 42 2538 400</li> </ul>

## 2. HAZARDS IDENTIFICATION

### 2.1 - Classification of the substance or mixture

#### Classification according to the Regulation (CE) 1272/2008

##### Skin irritation, 2

Eyes irritation, 2

Skin sensitizer, 1A

### 2.2 - Label elements

Pictogram



Word of warning

WARNING

#### Hazard statements

**H315** - Causes skin irritation.

**H318** - Cause serious eye damage.

**H319** - Causes serious eye irritation.

#### Safety statements

**P280** - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

**P302 + P352** – IF ON SKIN: Wash with plenty of water.

**P305+P351+P338** - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P310** - Immediately call a POISON CENTRE or doctor.

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



# SPECTRUM LIQUID 400

Supplementary Hazard statement : None

## 2.3 - Other hazards

### Persistence, bioaccumulation and toxicity classification.

See section 12.5 for PBT and vPvB assessment.

### Endocrine disrupting properties.

See section 12.6 for more information on endocrine disrupting properties.

### Formation of air pollutants during hardening or processing.

No data available.

### Dust generation

Not applicable, the product is liquid

### Explosive properties

No data available.

### Dust explosion hazards

Not applicable, the product is liquid

### Cross-sensitisation

No data available

### Asphyxiation hazard

No data available

### Freezing hazard

No data available

### High odour or taste generation capacity

No particular mention

### Environmental effects

No data available

### Hazards to soil organisms

No data available

### Photochemical ozone creation potential

No data available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable, this product is a mixture.

### 3.2. Mixtures

**Composition:** Mix of flavouring substances (507.975 mg/kg). Category: Technological additive: c.s.p. 100% glyceryl polyethylenglycol ricinoleate (E-484)

Dangerous component	CAS number	EC number	Concentration	Classification
Onion oil	8002-72-0	616-802-4	3-10%	Flam liq 3, H226 Acute tox (oral) 4, H302 Skin irrit 2, H315 Eyes irrit 2, H319 STOT SE 3, H335
Garlic extract	8000-78-0	232-371-1	<2%	Flam liq 3, H226 Acute tox (oral) 4, H302 Skin irrit 2, H315 Eyes irrit 2, H319 Skin sense 1A, H317
Isopentyl acetate	123-92-2	204-662-3	0,35-0,65%	Flam liq 3, H226 EUH066

# SPECTRUM LIQUID 400

Cinnamaldehyde	104-55-2	203-213-9	0,35 – 0,65%	Skin irrit 2, H315 Eyes irrit 2, H319 Skin sense 1A, H317 Acute tox 4 (skin), H312
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one (Beta ionone)	14901-07-6	238-969-9	0,1-0,35%	Acuatic tox (chronic) 3, H411
Vainillin	121-33-5	204-465-2	0,1-0,35%	Eyes irrit 2, H319
Butanedione	431-03-8	207-069-8	0,007-0,07%	Flam liq 2, H225 Acute tox 4 (oral), H302 Skin irrit 2, H315 Eyes dam 1, H318 Skin sense 1A, H317 Acute tox (inh) 3, H331 STOT SE 3, H373

For the full text of the H-Statements referred to in this section, see section 16.

## 4. FIRST AID AND MEASURES

### 4.1 Description of first aid

#### General recommendations

Consult a doctor by showing the safety data sheet and/or label.

#### If inhaled

Move person to fresh air. If breathing has stopped, give artificial respiration and consult a doctor.

#### In case of skin contact

Wash off with soap and water. Consult a doctor.

#### In case of contact with eyes

Wash thoroughly with plenty of water for at least 15 minutes and seek medical advice.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor.

### 4.2 Most important symptoms and effects, acute and delayed

The most important known symptoms and effects are described on the label (see section 2.2.) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed : No data available



# SPECTRUM LIQUID 400

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry powder or carbon dioxide.

### 5.2 Specific hazards arising from the substance or mixture

Oxides of carbon.

### 5.3 Recommendations for fire-fighters

If necessary, wear self-contained breathing apparatus for fire-fighting.

## 6. MEASURES IN CASE OF ACCIDENTAL RELEASE

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Personal protective equipment, see section 8.

### 6.2 Environmental precautions

Do not allow product to enter sewage system.

### 6.3 Methods and material for containment and cleaning-up

Soak up with inert absorbent material and dispose of as special waste. Store in suitable closed containers for disposal.

### 6.4 Reference to other sections

For waste disposal see section 13

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. See precautions in section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry, well-ventilated place. Once opened, containers should be stored in an upright position to avoid leakage and properly closed.

### 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

This product does not contain substances with occupational exposure limits



# SAFETY DATA SHEET

In accordance with Regulation (EC)  
N° 2020/878

## SPECTRUM LIQUID 400

### 8.2 Exposure controls

Appropriate engineering controls

Handle with appropriate industrial hygiene precautions, and observe safe handling practices. Wash hands before breaks and after completion of work.

### Personal protection

#### Eye/face protection

Safety goggles that fit the contours of the face. Protective visor (minimum 20 cm). Wear eye protection equipment tested and approved according to relevant governmental standards such as NIOSH (USA) or EN 166 (EU).

#### Skin protection

Handle with gloves. Gloves should be inspected before use. Use proper glove removal technique (without touching the outer surface of the glove) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practice. Wash and dry hands.

The selected protective gloves must comply with the specifications of Regulation (EU) 2016/425 and the derived EN 374 standard.

Immersion

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Penetration time: 480 min

Splashing

Material: Nitrile rubber

minimum layer thickness: 0,11 mm

Penetration time: 480 min

If used in solution, or mixed with other substances, and under conditions other than EN 374, contact the supplier of the CE approved gloves. This recommendation is advice and should be evaluated by an industrial hygiene and safety officer familiar with our customers' specific intended use situation. It should not be interpreted as a standard for any specific usage scenario.

### Body Protection

Full protective suit against chemicals, The type of protective equipment should be chosen according to the concentration and the of protective equipment must be chosen according to the concentration and quantity of the hazardous substance and the specific working conditions.

### Respiratory protection

Use respiratory protection according to the hazards associated with the mixture. If so, use full face mask or ABEK type filters according to EN 14387. Use respirators and/or components tested and approved under appropriate standards such as NIOSH (US) or CEN (EU).

### Environmental exposure control

Do not allow product to enter sewage system.



# SPECTRUM LIQUID 400

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- (a) physical state. Liquid
- (b) colour. Amber
- (c) odour. characteristic of garlic and onion
- (d) melting point / freezing point. Information not available
- (e) boiling point or initial boiling point and boiling range. Information not available
- (f) flammability. Information not available
- (g) upper and lower explosive limit. Information not available
- (h) flash point. Information not available
- (i) Auto-ignition temperature. Information not available
- (j) decomposition temperature. Information not available
- (k) pH. 3,5 – 6,5 (Sol. 10%)
- (l) kinematic viscosity. Information not available
- (m) solubility : solubility in water / solubility in other solvents
- (n) n-octanol/water partition coefficient. Not applicable to mixtures.
- (o) vapour pressure Information not available.
- (p) Density and/or relative density Information not available.
- (q) Relative vapour density. Information not available.
- (r) Particulate characteristics Information not available.

### 9.2 Other information

#### 9.2.1. Information concerning physical hazard classes

- (a) Explosives. Not applicable. The product is not classified as explosive.
- (b) Flammable gases. Not applicable, the product is not classified as flammable gas.
- (c) Aerosols. Not applicable, the product is not an aerosol.
- (d) oxidising gases. Not applicable, the product is not an oxidising gas.
- (e) pressurised gas. Not applicable, the product is not a pressurised gas.
- (f) Flammable liquid. Not applicable, the product is not a flammable liquid.
- (g) Flammable solid. Not applicable, the product is not a flammable solid.
- (h) Spontaneously reacting substances and mixtures. Not applicable, this mixture does not react spontaneously.
- (i) Pyrophoric liquids. Not applicable, this product is not a pyrophoric liquid.
- (j) Pyrophoric solids. Not applicable, this product is not a pyrophoric solid.
- (k) Substances and mixtures undergoing spontaneous heating. Not applicable, this mixture does not undergo spontaneous heating.
- (l) Substances and mixtures which emit flammable gases in contact with water. Not applicable, this mixture does not emit flammable gases in contact with water.
- (m) Oxidising liquids. Not applicable, this mixture is not an oxidising liquid.
- (n) Oxidising solids. Not applicable, this mixture is not an oxidising solid.
- (o) Organic peroxides. Not applicable, this mixture is not an organic peroxide.
- (p) Corrosive to metals. Not applicable, this mixture is not corrosive to metals.
- (q) Desensitised explosives. Not applicable, this product is not a desensitised explosive.

#### 9.2.2 Other safety characteristics

- (a) mechanical sensitivity. No information available.
- (b) Self-accelerating polymerisation temperature. Information not available.



# SPECTRUM LIQUID 400

(c) formation of explosive dust/air mixtures. To prevent the formation of explosive atmospheres, avoid mixing flammable substances in the form of gases, vapours, mists or dusts with air under atmospheric conditions, since, after ignition, combustion spreads to the entire unburned mixture. (d) acid/alkaline reserve. Information not available.

(d) acid/alkaline reserve. Information not available.

(e) evaporation rate. Information not available.

(f) miscibility. Information not available.

(g) conductivity Information not available.

(h) corrosivity. the product is not expected to be corrosive, as it does not contain substances classified as such.

(i) gas group Information not available.

(j) redox potential Information not available.

(k) radical formation potential. Information not available

(l) photocatalytic properties Information not available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Avoid humidity and extreme temperatures and weather conditions.

### 10.5 Incompatible materials

Bases, oxidizing agents, reducing agents, strong oxidizing agents.

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions - carbon oxides

### Other hazardous decomposition products - no data available

In case of fire, see section 5

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

No components classified as acutely toxic are identified in this mixture and it is therefore not considered as such.



# SPECTRUM LIQUID 400

## **Skin corrosion or irritation**

the product is classified as a skin irritant hazard due to the presence of several substances classified as skin irritants at the concentrations listed in section 3.2.

## **Serious eye damage or irritation**

the product is classified as hazardous for causing serious eye damage due to the presence of several substances classified as skin irritants and/or corrosives, at the concentrations given in section 3.2.

## **Respiratory or skin sensitisation**

the product is classified as hazardous for causing skin sensitisation due to the presence of several substances classified as such, at the concentrations indicated in section 3.2.

## **Germ cell mutagenicity**

No components of this product are identified as mutagenic, therefore the mixture is not considered as mutagenic either.

## **Carcinogenicity**

No component of this product is identified at levels greater than or equal to 0.1% as a probable, possible or confirmed International Agency for Research on Carcinogens (IARC) human carcinogen.

## **Reproductive toxicity**

No component of this product is identified as toxic for reproduction, therefore the mixture is not classified as such either.

## **Specific target organ toxicity - single exposure**

No component of this product is identified as being classified as specific target organ toxicant by single exposure, therefore the mixture is not classified as such either.

## **Specific target organ toxicity - repeated exposure.**

No component of this product is identified as being classified as specific target organ toxicant by repeated exposure, therefore the mixture is also not classified as specific target organ toxicant by repeated exposure.

## **Aspiration hazard**

No component of this product is identified as classified as aspiration hazard, therefore the mixture is not considered as such either.

## **11.2 Information concerning other hazards**

**11.2.1. Endocrine disrupting properties.** See section 12.6

**11.2.3. Other information** No particular mention.

## **12. ECOLOGICAL INFORMATION**

**12.1 Toxicity** : No data available

**12.2. Persistence and degradability** No data available

**12.3. Bioaccumulative potential** No data available





# SAFETY DATA SHEET

In accordance with Regulation (EC)  
N° 2020/878

## SPECTRUM LIQUID 400

### Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This product does not contain components considered to be persistent bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative and very persistent (vPvB) at levels of 0.1% or higher.

### 12.6. Endocrine disrupting properties

No substances with endocrine disrupting properties have been identified.

### 12.7. Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Offer product and unusable solutions to an accredited waste company.

#### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### 14.1 UN number or ID number

ADR/RID:- IMDG:- IATA:- IATA:-

### 14.2. United Nations Proper Shipping Name

ADR/RID: Non-dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3. Transport hazard class(es) : ADR/RID:- IMDG: - IATA:-

### 14.4. Packing group(s) : ADR/RID:- IMDG: - IATA:-

### 14.5 Environmental hazards

This mixture does not present an environmental hazard according to the criteria of the UN Model Regulations as laid down in ADR, RID and ADN), and is not a marine pollutant according to the IMDG code.

### 14.6 Special precautions for users

Before relevant transport, read the safety data sheet carefully to understand the hazards of the product and the recommended means of avoiding hazards to human health and the environment.

### 14.7 Transport by sea in bulk according to IMO Instruments : Not applicable

## 15. REGULATORY INFORMATION



# SAFETY DATA SHEET

In accordance with Regulation (EC)  
N° 2020/878

## SPECTRUM LIQUID 400

### 15.1. Safety, health and environmental regulations and legislation specific to the substance or mixture

The safety data sheet complies with the requirements of Regulation 1907/2006 and its subsequent amendments.

### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this product.

## 16. OTHER INFORMATION

Full text of the H-declarations referred to in section 3

H226. Flammable liquids and vapours

H302. Harmful if swallowed

H312. Harmful in contact with skin

H315. Causes skin irritation

H317. May cause an allergic skin reaction

H318. Causes serious eye damage

H319. Causes serious eye irritation.

H331. Toxic if inhaled.

H335. May cause respiratory irritation

H373. May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411. Toxic to aquatic life with long lasting effects.

EUH066. Repeated exposure may cause skin dryness or cracking.

### Other information

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