

**SECTION 1 : Product and company identification****1,1 Product identifier**

Product name: LYCOPENE (Ref. 100273)  
Product code: 100273

**1,2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance: Perfume compound for industrial use

**1,3 Details of the supplier of the safety data sheet**

Company: **NACTIS - SYNAROME**  
ZI "La Marinière"  
34-36, rue Gutenberg - B.P. 32  
91071 Bondoufle Cedex / France  
E-mail: [synarome@nactis.fr](mailto:synarome@nactis.fr)  
TEL : +33.1.60.86.40.43  
FAX : +33.1.69.91.34.20

**1,4 Emergency telephone number**

Emergency telephone number ORFILA: +33.1.45.42.59.59

**SECTION 2 : Hazards identification****2,1 Classification of the substance or mixture****According to Regulation (EC) N° 1272/2008**

Flammable liquid (CATEGORY 4), H227  
Skin corrosive/ irritation (CATEGORY 3), H316  
Skin sensitisation (CATEGORY 1B), H317  
Serious eye damage/eye irritation (CATEGORY 2A), H319  
Hazardous to aquatic environment (ACUTE A2), H401  
Hazardous to aquatic environment (CHRONIC C3), H412

**2,2 Label elements****Labelling according to Regulation (EC) N° 1272/2008**

Pictogram / signal word(s)



SGH07

WARNING

**Hazard statement(s)**

H227 : Combustible liquid  
H316 : Causes mild skin irritation  
H317 : May cause an allergic skin reaction  
H319 : Causes serious eye irritation  
H401 : Toxic to aquatic life  
H412 : Harmful to aquatic life with long lasting effects

**Precautionary statement(s)**

P210 : Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
 P273 : Avoid release to the environment.  
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
 P303 + P361 + P353 : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332 + P313 : If skin irritation occurs: Get medical advice/attention.

**2,3 Other hazards**

None

**SECTION 3 : Composition/information on ingredients**

Identification : LYCOPENE (Ref. 100273)

Dangerous constituents

Name	CAS EINECS EU Index #	REACH ID	Classification acc. to Reg. (CE) 1272/2008	Concentration (%)
Isobornyl acetate	125-12-2 204-727-6 -	-	EH A2 H401 FL 4 H227 SCI 3 H316	>= 10 - <25
Coumarin	91-64-5 202-086-7 -	-	ATO 4 H302 EH A3 H402 SS 1 H317	>= 2.5 - <10
Vanillin	121-33-5 204-465-2 -	01-2119516040-60 -0002	ATO 5 H303 EDI 2A H319 EH A3 H402	>= 2.5 - <10
Phenylethyl alcohol	60-12-8 200-456-2 -	-	ATD 5 H313 ATO 4 H302 EDI 2A H319 SCI 3 H316	>= 2.5 - <10
Piperonal	120-57-0 204-409-7 -	-	SS 1B H317	>= 2.5 - <10
Camphene	79-92-5 201-234-8 -	-	EDI 2B H320 EH A1 H400 EH C1 H410 FS 2 H228	>= 0 - <1
Linalool	78-70-6 201-134-4 -	01-2119474016-42 -0000	ATO 5 H303 EDI 2A H319 EH A3 H402 FL 4 H227 SCI 2 H315 SS 1B H317	>= 0 - <1
Limonene	5989-27-5 227-813-5 601-029-00-7 (ATP 24)	-	AH 1 H304 EH A1 H400 EH C1 H410 FL 3 H226 SCI 2 H315 SS 1B H317	>= 0 - <1

**SECTION 4 : First aid measures****4,1 Description of first aid measures****INHALATION**

Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

**EYE CONTACT**

Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

**SKIN CONTACT**

Remove contaminated clothes. Wash thoroughly with water (or water and soap). Contact physician if symptoms persist.

**INGESTION**

Do not induce vomiting. Rinse mouth with water and obtain medical advice.

**4,2 Most important symptoms and effects, both acute and delayed**

Take Risk and Safety phrases into account.

**4,3 Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5 : Fire-fighting measures****5,1 Extinguishing media**

Carbone dioxide, dry chemical, foam. Do not use a direct waterjet on burning material.

**5,2 Special hazards arising from the substance or mixture**

Carbon monoxide and unidentified organic compounds may be formed during combustion.

**5,3 Advice for fire-fighters**

During fight against fire, wear a breathing apparatus with independent air supply.

**SECTION 6: Accidental release measures****6,1 Personal precautions, protective equipment and emergency procedures**

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

**6,2 Environmental precautions**

Keep away from drains, surface, groundwater and soil.

**6,3 Methods and material for containment and cleaning up**

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

**6,4 Reference to other sections**

None.

**SECTION 7: Handling and storage**

**7,1 Precautions for safe handling**

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

**7,2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry ventilated area (t < 18°C) away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

**7,3 Specific end use(s)**

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

**SECTION 8: Exposure controls/personal protection**

**8,1 Control parameters**

No data available.

**8,2 Exposure controls**

**EYE PROTECTION**

Use equipment for eye protection

**SKIN PROTECTION**

Avoid skin contact. Handle with chemically resistant gloves.

**RESPIRATORY PROTECTION**

Avoid inhalation of concentrated vapours. Apply local ventilation where appropriate.

**SECTION 9: Physical and chemical properties**

**9,1 Information on basic physical and chemical properties**

PHYSICAL STATE:	Liquid
COLOUR :	Brown (clear to cloudy)
ODOUR :	Woody, Balsamic, Oriental
FLASH POINT (closed cup):	91°C
SOLUBILITY IN WATER:	Not available
SOLUBILITY IN ALCOHOL:	Not available
REFRACTIVE INDEX (n 20/D):	1.5140 - 1.5180
RELATIVE DENSITY (20/20):	1.035 - 1.050
MELTING POINT (°C)	Not available
BOILING POINT (°C)	Not available
VAPOUR PRESSURE (Pa)	Not available
FLAMMABILITY:	Not available
OXIDISING PROPERTIES:	Not available
PARTITION COEFFICIENT	
Log Pow:	Not available
pH (20°C):	Not available
VISCOSITY:	Not available
EXPLOSIVE PROPERTIES:	Not available

**9,2 Other information**

None

**SECTION 10: Stability and reactivity**

**10,1 Reactivity**

No significant reactivity hazard.  
Avoid contact with strong acids, alkali or oxidizing agents.

**10,2 Chemical stability**

Stable under recommended storage conditions.

**10,3 Possibility of hazardous reactions**

No data available.

**10,4 Conditions to avoid**

Excessive heat, flames and sparks.

**10,5 Incompatible materials**

Not available.

**10,6 Hazardous decomposition products**

No hazardous decomposition products if handling and storage conditions are met.

**SECTION 11 : Toxicological information**

This preparation has not been subjected to toxicological testing as an entity. According to the available data on the components, the criteria on classification relating to human health are filled.

**SECTION 12 : Ecological information**

This preparation has not been subjected to ecotoxicological testing as a whole. According to the available data on the components, the criteria on environmental classification are filled.

**SECTION 13 : Disposal considerations**

**13,1 Waste treatment methods**

Product

Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14 : Transport information**

**14,1 UN number**

Road : (RID / ADR)	3082
Air : (IATA)	3082
Sea : (IMDG)	3082

**14,2 UN proper shipping name**

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Contains : Isobornyl acetate

**14,3 Transport hazard class(es)**

Road : (RID / ADR) 9

Air (IATA) : 9

Sea : (IMDG) 9

**14,4 Packing group**

Road : (RID / ADR) III

Air (IATA) : III

Sea : (IMDG) III

**14,5 Environmental hazards**

ADR/RID: YES

IMDG Marine pollutant: YES

IATA: YES

**14,6 Special precautions for user**

No data available

**SECTION 15: Regulatory information**

**15,1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not applicable.

**15,2 Chemical Safety Assessment**

Not applicable.

**SECTION 16: Other information**

**List of relevant hazard statements used in section 3 according to Regulation (EC) 1272/2008:**

- H226 : Flammable liquid and vapour
- H227 : Combustible liquid
- H228 : Flammable Solid
- H302 : Harmful if swallowed
- H303 : May be harmful if swallowed
- H304 : May be fatal if swallowed and enters airways
- H313 : May be harmful in contact with skin
- H315 : Causes skin irritation
- H316 : Causes mild skin irritation
- H317 : May cause an allergic skin reaction
- H319 : Causes serious eye irritation
- H320 : Causes eye irritation
- H400 : Very toxic to aquatic life
- H401 : Toxic to aquatic life
- H402 : Harmful to aquatic life
- H410 : Very toxic to aquatic life with long lasting effects

**Futher information**

The information and recommendations contained in this data sheet are based on the present state of our knowledge and are applicable to the product with regard to appropriate safety precautions.

The safety data sheet does not represent any guarantee of the properties of the product.  
Nactis shall not be held liable for any damage resulting from handling or from contact with the above product.

This MSDS supersedes all previous issues.

**Revision date:      January 2019**