

**Table 1**  
**3.2. Mixtures**

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Distillates (petroleum), hydrotreated light naphthenic (Constituent)	(CAS No.)64742-53-6 (EC no)265-156-6 (EC index no)649-466-00-2	10 - 25	Carc.Cat.2; R45
1-octyl-2-pyrrolidone (Constituent)	(CAS No.)2687-94-7 (EC no)403-700-8 (EC index no)613-098-00-0	2,5 - 10	C; R34 N; R51-53
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated light naphthenic (Constituent)	(CAS No.)64742-53-6 (EC no)265-156-6 (EC index no)649-466-00-2	10 - 25	Carc. 1B, H350
1-octyl-2-pyrrolidone (Constituent)	(CAS No.)2687-94-7 (EC no)403-700-8 (EC index no)613-098-00-0	2,5 - 10	Skin Corr. 1B, H314 Aquatic Chronic 2, H411

Remark L: The highly refined mineral oil contains < 3% (w/w) DMSO-extract, according to IP346. The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO  
Full text of R-, H- and EUH-phrases if any; see section 16.

**Table 2**  
**12.1. Toxicity**

1-octyl-2-pyrrolidone (2687-94-7)	
LC50 fishes 1	22,5 mg/l <i>Lepomis macrochirus</i>
EC50 Daphnia 1	19,1 mg/l (48h)

**Table 3**  
Full text of R-, H- and EUH-phrases:

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Corr. 1B	skin corrosion/irritation Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R45	May cause cancer.
R51	Toxic to aquatic organisms.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.

# Labino® LabinOil Safety Data sheet

According to Regulation (EC) No. 453/2010



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

### 1.1. Product identifier

Chemical type: Mixture  
Trade name: Labino® LabinOil  
Color Index/ Chemical name: Mixture  
Chemical characterization: Dyestuff in organic solution

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

1.2.1. Relevant identified uses  
Main use category: Dyestuff for industrial applications.  
1.2.2. Uses advised against  
No additional information available

### 1.3. Details of the supplier of the safety data sheet

Labino AB  
Industrivägen 17  
171 48 Solna – Sweden  
T +46 (8) 839070  
labino@labino.com

### 1.4. Emergency telephone number

Emergency number: +46 (8) 839070. This number is serviced during office hours.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Skin Irrit. 2 H315  
Eye Irrit. 2 H319  
Aquatic Chronic 3 H412  
Full text of H-phrases: see section 16.  
Classification according to Directive 67/548/EEC or 1999/45/EC  
Xi; R36/38  
R52/53  
Full text of R-phrases: see section 16.  
Adverse physicochemical, human health and environmental effects  
No additional information available

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]  
Hazard pictograms (CLP)



CLP Signal word: Warning  
Hazard statements (CLP):  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H412 - Harmful to aquatic life with long lasting effects  
Precautionary statements (CLP): P264 - Wash hands and face thoroughly after handling  
P273 - Avoid release to the environment

P280 - Wear face protection, eye protection, protective clothing, protective gloves  
P302+P352 - IF ON SKIN: Wash with plenty of soap and 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  
P332+P313 - IF SKIN IRRITATION OCCURS: Get medical advice/attention  
P337+P313 - IF EYE IRRITATION PERSISTS: Get medical advice/attention  
P501 - Dispose of contents/container to in accordance with relevant local regulations

### 2.3. Other hazards

This substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII

## SECTION 3: Composition/information on ingredients

Description: Dyestuff in organic solution  
Color Index/ Chemical name: Mixture

### 3.1. Substances

Not applicable

### 3.2. Mixtures - See table 1

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general: Seek medical attention if ill effect develops.  
First-aid measures after inhalation: Remove casualty to fresh air and keep warm and at rest.  
First-aid measures after skin contact: Rinse and then wash skin with water and soap. Remove contaminated clothes. Do not remove clothing if it sticks to the skin.  
First-aid measures after eye contact: Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.  
First-aid measures after ingestion: Rinse mouth thoroughly with water. Do not induce vomiting.

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

Symptoms/injuries after inhalation: No symptoms known up to now.  
Symptoms/injuries after skin contact: staining of the skin. irritant.  
Symptoms/injuries after eye contact: staining of the eyes. Risk of serious damage to eyes.  
Symptoms/injuries after ingestion: There may be irritation.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: hazy water, carbon dioxide (CO<sub>2</sub>), foam and powder.

### 5.2. Special hazards arising from the substance or mixture

Reactivity: On burning: release of harmful/irritant gases/vapours.

### 5.3. Advice for firefighters

Firefighting instructions: Standard procedure for chemical fires. Protection during firefighting: Use appropriate respiratory protection. Other information: Contaminated fire-fighting water must be collected separately.

## SECTION 6: Accidental release measures

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

General measures: Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. When using do not eat, drink or smoke.

#### 6.1.1. For non-emergency personnel

Protective equipment: Wear personal protection equipment. Refer to chapter 8.

Emergency procedures: Ensure adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation. Keep unprotected persons from entering.

#### 6.1.2. For emergency responders

Protective equipment: Wear personal protection equipment. Refer to chapter 8.

Emergency procedures: Ensure adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation. Keep unprotected persons from entering.

### 6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

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

Methods for cleaning up: Clean up any spills as soon as possible, using an absorbent material to collect it. Wash away remainder with plenty of water.

### 6.4. Reference to other sections

See also section 8 & 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling: Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Keep away from sources of ignition - No smoking. Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Do not drink, eat or smoke in the workplace.

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

Storage conditions: Keep away from heat. Keep out of the reach of children.

Storage area: Ensure adequate ventilation of the storage area. Keep container tightly closed. Store in a cool dry place.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls: Ventilate area. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: Gloves. Protective clothing. Safety glasses.



Hand protection: Wear suitable gloves resistant to chemical penetration.

Eye protection: Tightly sealed safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: With correct and proper use, and under normal conditions, breathing protection is not required.

Environmental exposure controls: Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance: Liquid

Colour: Dark orange

Odour: Petroleum-like odour

Odour threshold: No data available

pH: No data available

Melting point: No data available

Solidification point: No data available

Boiling point: No data available

Flash point: > 200 °C

Relative evaporation rate (butyl acetate=1): No data available

Flammability (solid, gas): No data available

Explosive limits: No data available

Vapour pressure: No data available

Relative vapour density at 20 °C: No data available

Relative density: No data available

Solubility: Water - not miscible

Log Pow: No data available

Log Kow: No data available

Self ignition temperature: Product is not self igniting

Decomposition temperature: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: Product does not present an explosion hazard

Oxidizing properties: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

On burning: release of harmful/irritant gases/vapours.

### 10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

high temperatures.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity: Not classified

Labino® LabinOil

LD50 oral rat: >2000mg/kg

1-octyl-2pyrrolidone (2687-94-7)

LD50 oral rat: >2000mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Other information: The product has not been tested. The information is based on the components of the product.

## SECTION 12: Ecological information

### 12.1. Toxicity – See table 2

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

LABINOIL FLUORESCENT YELLOW

This substance/mixture does not meet the PBT/PvB criteria of REACH, annex XIII

Results of PBT assessment: No data available

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste): Observe regulations when disposing. Sewage disposal recommendations: Substance must not be discharged into the sewer. Waste disposal recommendations: Consider recycling.

## SECTION 14: Transport information

No dangerous good in sense of transport regulations.

## SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH candidate substance

15.1.2. National regulations

Water hazard class (WVGK): 1 - slightly hazardous to water

WGK remark: Estimated from the components.

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Data sources: This information is based on the present data (producers, chemical safety cards, <http://echa.europa.eu/>, <http://ecb.jrc.ec.europa.eu/esis/>, ...

### See table 3

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice on the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*