

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Lacq energol natural
Revision date : 11.09.2014
Date of print : 16-09-2014

Version (Revision) : 4.1.0 (4.0.0)

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

1.1 Product identifier

Lacq energol natural (6400)

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

Relevant identified uses

Product categories [PC]

PC9a - Coatings and paints, thinners, paint removers

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Vliegenthart B.V.

Street : Zuiderhavenweg 42

Postal code/city : 4004 JJ TIEL

Telephone : +31 (0)344 63 33 36

Telefax : +31 (0)344 63 16 16

1.4 Emergency telephone number

+31 (0)344 63 33 36 (During officehours: 08:30 - 17:00 hour.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

None

Classification according to Regulation (EC) No. 1272/2008 [CLP]

None

2.2 Label elements

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

Special rules for supplemental label elements for certain mixtures

EUH208 Contains 2-BUTANONE OXIME ; HYDROCARBONS - TERPENE ; COBALT BIS(2-ETHYLHEXANOATE). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

None

SECTION 3: Composition/ information on ingredients

3.2 Mixtures

Hazardous ingredients

HYDROCARBONS, C10 - C13, N-ALKANES, ISOALKANES, CYCLICS, < 2 ; REACH registration No. : 01-2119457273-39 ; EC No : 918-481-9

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Weight fraction : 10 - 25 %
Classification 67/548/EEC : Xn ; R65
Classification 1272/2008 [CLP] : None

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT / KEROSENE - UNSPECIFIED ; REACH registration No. : 01-2119484819-18 ; EC No : 265-149-8; CAS No. : 64742-47-8

Weight fraction : 2,5 - 10 %
Classification 67/548/EEC : Xn ; R65
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

HYDROCARBONS, C10-C13, ISOALKANES, CYCLICS, < 2% AROMATICS ; REACH registration No. : 01-2119474196-32 ; EC No : 918-317-6

Weight fraction : < 2,5 %
Classification 67/548/EEC : Xn ; R65 R66
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

2-BUTANONE OXIME ; REACH registration No. : 01-2119539477-28 ; EC No : 202-496-6; CAS No. : 96-29-7

Weight fraction : < 1 %
Classification 67/548/EEC : Carc. Cat.3 ; R40 R43 Xi ; R41 Xn ; R21
Classification 1272/2008 [CLP] : Carc. 2 ; H351 Eye Dam. 1 ; H318 Acute Tox. 4 ; H312 Skin Sens. 1 ; H317

HYDROCARBONS - TERPENE ; REACH registration No. : 01-2119980606-28 ; EC No : 273-309-3; CAS No. : 68956-56-9

Weight fraction : 0,1 - 1 %
Classification 67/548/EEC : R10 N ; R51/53 R43 Xn ; R65 Xi ; R36/38
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Chronic 2 ; H411

COBALT BIS(2-ETHYLHEXANOATE) ; REACH registration No. : 01-2119524678-29 ; EC No : 205-250-6; CAS No. : 136-52-7

Weight fraction : 0,1 - 0,25 %
Classification 67/548/EEC : N ; R50/53 Repr. Cat.3 ; R62 R43
Classification 1272/2008 [CLP] : Repr. 2 ; H361f Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

3.3 Additional information

All ingredients of this mixture are (pre)registered according to REACH regulation.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner

After eye contact

If possible, remove contactlenses. In case of contact with eyes flush immediately with plenty of flowing water for 10 to

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15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO₂). Sand. Water mist

Unsuitable extinguishing media

High power water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information

Burning produces heavy smoke. Do not allow run-off from fire-fighting to enter drains or water courses. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

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7.1 Precautions for safe handling



Protective measures

Only use the material in places where open light, fire and other flammable sources can be kept away. Wear personal protection equipment. (see chapter 8). If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Avoid the forming of inflammable or explosive concentrations of vapour in the air and exposure concentrations higher than permitted, Comply with the health and safety at work laws.

Fire prevent measures

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours can form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access.

Requirements for storage rooms and vessels

Keep container tightly closed. Ensure adequate ventilation of the storage area. Restrict access to stockrooms.

Hints on joint storage

Keep away from

Keep away from ignition sources. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

Personal protection equipment

Eye / face protection



Eye glasses with side protection

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Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Hand protection



Long Gloves PVC (Polyvinyl chloride) PE (polyethylene) NR (natural rubber, natural latex)
Recommended Thickness DIN EN 374

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. By spraying: air fed respirator. By other operations than spraying: in well ventilated areas, airfed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : Colourless.
Odour : Characteristic.
Odor Threshold value Not determined

Safety relevant basis data

Physical state :			liquid
Melting point / melting range :			No data available
Boiling temperature / boiling range :	(1013 hPa)		Not determined
Decomposition temperature :	(1013 hPa)		Not determined
Evaporation rate			Not determined
Flash point :	>	61 °C	CC
Ignition temperature :			Not determined
Flammability (gas, solid)			Not determined
Lower explosion limit :			Not determined
Upper explosion limit :			Not determined
Explosive properties			Not determined
Density :	(20 °C)	ca.	0,911 g/cm ³
Water solubility :	(20 °C)		insoluble
PH value :			not applicable
Viscosity :	(20 °C)		Not determined
Oxidising properties			Not determined
Partition coefficient n-octanol/water			Not determined

9.2 Other information

None

SECTION 10: Stability and reactivity

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10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions(See section 7 and 8).

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (HYDROCARBONS, C10-C13, ISOALKANES, CYCLICS, < 2% AROMATICS)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

Parameter : LD50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Oral
Species : Rat
Effective dose : 930 mg/l

Acute dermal toxicity

Parameter : LD50 (HYDROCARBONS, C10-C13, ISOALKANES, CYCLICS, < 2% AROMATICS)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg

Parameter : LD50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Dermal
Species : Rabbit
Effective dose : 1000 - 2000 mg/kg

Acute inhalation toxicity

Parameter : LC50 (HYDROCARBONS, C10-C13, ISOALKANES, CYCLICS, < 2% AROMATICS)
Exposure route : Inhalation
Species : Rat
Effective dose : > 5000 mg/m³

Parameter : LC50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Inhalation
Species : Rat

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Effective dose : > 4,83 mg/l

11.3 Other adverse effects

Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. Delayed reactions possible (breathing problems, coughs, asthma) Eye contact: irritation. Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible.

11.4 Additional information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (COBALT BIS(2-ETHYLHEXANOATE) ; CAS No. : 136-52-7)
Species : Acute (short-term) fish toxicity
Effective dose : 0,1 - 1 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (COBALT BIS(2-ETHYLHEXANOATE) ; CAS No. : 136-52-7)
Species : Acute (short-term) daphnia toxicity
Effective dose : 0,1 - 1 mg/l

Acute (short-term) algae toxicity

Parameter : EC50 (COBALT BIS(2-ETHYLHEXANOATE) ; CAS No. : 136-52-7)
Species : Acute (short-term) algae toxicity
Effective dose : 0,1 - 1 mg/l

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Further ecological information

Additional information

Product should not be released into water without pre-treatment (biological sewage plant).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

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Waste treatment options

Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning. The generation of waste should always as far as possible be avoided, or be limited to a minimum. Disposal of this product, solutions and any by-products should at all times be in accordance with applicable legislation in the field of environmental protection and waste disposal legislation and any other regional or local regulations.

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

None

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

16.1 Indication of changes

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

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.

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H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
10	Flammable.
21	Harmful in contact with skin.
36/38	Irritating to eyes and skin.
40	Limited evidence of a carcinogenic effect.
41	Risk of serious damage to eyes.
43	May cause sensitization by skin contact.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
62	Possible risk of impaired fertility.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.

16.6 Training advice

Make sure that employees are aware of the safety risk. People wearing breathing apparatus must be appropriately trained.

16.7 Additional information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

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 about 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 the 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.
