

Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 13.06.2012

Version: 1.0

Product: **Myritol® 318**

(ID no. 30527906/SDS_GEN_GB/EN)

Date of print 14.06.2012

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Myritol® 318

Chemical name: Triglyceride

CAS Number: 73398-61-5

REACH registration number: 01-2119492306-35-0002, 01-2119492306-35-0007

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

Relevant identified uses: cosmetic ingredient

Details of the supplier of the safety data sheet

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GERMANYContact address:BASF plc
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Telephone: +44 161 485-6222

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Emergency telephone number

International emergency number:

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2. Hazards Identification

Label elements

Globally Harmonized System, EU (GHS)

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The product does not require a hazard warning label in accordance with GHS criteria.

According to Directive 67/548/EEC or 1999/45/EC

EEC Directives

The product does not require a hazard warning label in accordance with EC Directives.

Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

No need for classification according to GHS criteria for this product.

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:
No particular hazards known.

Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/Information on Ingredients

Substances

Chemical nature

Glycerides, mixed decanoyl and octanoyl
CAS Number: 73398-61-5
EC-Number: 277-452-2

4. First-Aid Measures

Description of first aid measures

If adverse health effects develop seek medical attention.

If inhaled:
not relevant.

On skin contact:
After contact with skin, wash immediately with plenty of water.

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On contact with eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical attention if necessary.

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, carbon dioxide, dry powder, foam

Special hazards arising from the substance or mixture

harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

Reference to other sections

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Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container in a well-ventilated place.

Below temperature limit the product properties will change. The property change is reversible by stirring and heating. Protect against moisture. Please refer to the product specific data sheet for further information.

Storage stability:

Storage temperature: $\leq 30\text{ °C}$

Protect from temperatures below: 0 °C

Characteristics of the product are reversibly changed when falling below the limit temperature.

Protect from temperatures above: 30 °C

Properties of the product change irreversibly on exceeding the limit temperature.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

none

PNEC

Data refer to the product

Components with PNEC

73398-61-5: Glycerides, mixed decanoyl and octanoyl

freshwater:

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

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marine water:

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

sediment (freshwater):

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

sediment (marine water):

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

STP:

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

intermittent release:

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

soil:

No PNEC value available.

oral (secondary poisoning):

No PNEC oral derived, as accumulation in organisms is not to be expect.

DNEL

Data refer to the product

Components with DNEL

73398-61-5: Glycerides, mixed decanoyl and octanoyl

worker: Long-term exposure- systemic effects, dermal: 25.21 mg/kg bw/day

worker: Long-term exposure- systemic effects, Inhalation: 177.79 mg/m³

consumer: Long-term exposure- systemic effects, dermal: 12.61 mg/kg bw/day

consumer: Long-term exposure- systemic effects, Inhalation: 43.84 mg/m³

consumer: Long-term exposure- systemic effects, oral: 12.61 mg/kg bw/day

Exposure controls

Personal protective equipment

Respiratory protection:

Not applicable with adequate ventilation.

Hand protection:

Rubber gloves

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid, viscous	
Colour:	colourless	
Odour:	odourless	
Odour threshold:	not determined	
pH value:	not applicable	
pour point:	< -10.0 °C	(DIN ISO 3016)
Melting temperature:	< -5 °C	
Boiling point:	> 300 °C	
	The product has not been tested. The statement has been derived from products of a similar structure or composition.	
Flash point:	250 °C	(ASTM D93, closed cup)
Evaporation rate:	not determined	
Flammability:	not determined	
Lower explosion limit:	not determined	
Upper explosion limit:	not determined	
Ignition temperature:	not determined	
Vapour pressure:	0.000054 mbar	(calculated)
Density:	0.945 - 0.949 g/cm ³ (20 °C)	(DIN 51757)
Solubility in water:	insoluble < 0.0038 g/l	
Partitioning coefficient n-octanol/water (log Kow):	8.200 - 10.900	(calculated)
Self ignition:	not determined	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	27 - 33 mPa*s (20 °C)	(DGF C-IV 7; Viscosity Höppler/Ubbelohde)
Viscosity, kinematic:	13.00 - 15.60 mm ² /s (40 °C)	(DIN 51562)
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

Other information

Hygroscopy: Non-hygroscopic

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Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section., No further information available.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

None if used for intended purpose.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

No substances known that should be avoided.

Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single skin contact.

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg (OECD Guideline 401)

LD50 rat (dermal): > 2,000 mg/kg

Irritation

Assessment of irritating effects:

Not irritating to the eyes.

Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (OPP 81-5 (EPA-Guideline))

Serious eye damage/irritation rabbit: non-irritant (EPA Guideline)

Respiratory/Skin sensitization

Assessment of sensitization:

No sensitizing effect.

Experimental/calculated data:

guinea pig: Non-sensitizing.

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria.

No mutagenic effect was found in various tests with microorganisms and mammals.

Experimental/calculated data:

Ames-test

negative (OECD Guideline 471)

Micronucleus assay

mouse: negative (OECD Guideline 474)

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity:

Repeated oral uptake of the substance did not cause damage to the reproductive organs. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Specific target organ toxicity (single exposure)

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Assessment of STOT single:

Based on available Data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

None known

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Toxicity

Toxicity to fish:

LC50 > 100 mg/l, Brachydanio rerio (Screening (style of OECD 203))

Aquatic invertebrates:

EC50 > 100 mg/l, Daphnia magna

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Aquatic plants:

EC50 > 100 mg/l, Scenedesmus subspicatus

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Microorganisms/Effect on activated sludge:

EC0 > 100 mg/l, Pseudomonas putida (OECD Guideline 209)

Chronic toxicity to aquatic invertebrates:

No observed effect concentration, > 10 - 100 mg/l, Daphnia magna

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Bioaccumulative potential

Assessment bioaccumulation potential:

Based on a weight of evidence, the compound will not bioaccumulate.

Mobility in soil (and other compartments if available)

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Assessment transport between environmental compartments:
 The substance will not evaporate into the atmosphere from the water surface.
 Adsorption to solid soil phase is expected.

Results of PBT and vPvB assessment

According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification

13. Disposal Considerations

Waste treatment methods

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

Contaminated packaging:
 Uncontaminated packaging can be re-used.
 Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Land transport

ADR
 Not classified as a dangerous good under transport regulations

RID
 Not classified as a dangerous good under transport regulations

Inland waterway transport

ADN
 Not classified as a dangerous good under transport regulations

Sea transport

IMDG
 Not classified as a dangerous good under transport regulations

Air transport

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IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

Chemical Safety Assessment

Chemical Safety Assessment performed

16. Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: product-safety-north@basf.com

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.