

Safety data sheet

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

Date / Revised: 28.06.2012

Version: 1.0

Product: **Lanette® 18**

(ID no. 30530432/SDS_GEN_EU/EN)

Date of print 29.06.2012

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

Product identifier

Lanette® 18

Chemical name: Fatty alcohol

CAS Number: 112-92-5

REACH registration number: 01-2119485907-20-0006, 01-2119485907-20-0005

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

Relevant identified uses: special additives for the chemical industry

Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Care Chemicals

Telephone: +49 211 7940-2222

E-mail address: emc-ehs-masterdata@basf.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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.

Other hazards

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

Fine dust produced by abrasion can form explosive mixtures with air.

3. Composition/Information on Ingredients

Substances

Chemical nature

Octadecan-1-ol

CAS Number: 112-92-5

EC-Number: 204-017-6

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.

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:

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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, dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

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 appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Dispose of absorbed material in accordance with regulations.

Reference to other sections

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

Suitable materials for containers: paper, polyethylene (PE), High density polyethylene (HDPE)
 Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage stability:

Storage temperature: $\leq 30\text{ }^{\circ}\text{C}$

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

112-92-5: Octadecan-1-ol

freshwater: 0.00156 mg/l

marine water: 0.000156 mg/l

intermittent release:

No environmental exposure is expected and therefore PNECs are not required.

STP: 0.000011 mg/l

sediment (freshwater): 16 mg/kg

sediment (marine water): 1.6 mg/kg

soil: 13 mg/kg

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

DNEL

Data refer to the product

Components with DNEL

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112-92-5: Octadecan-1-ol

worker: Short-term exposure - systemic effects, dermal: 125 mg/kg
worker: Short-term exposure - systemic effects, Inhalation: 220 mg/m³
worker: Long-term exposure- systemic effects, dermal: 125 mg/kg
worker: Long-term exposure- systemic effects, Inhalation: 220 mg/m³
consumer: Short-term exposure - systemic effects, dermal: 75 mg/kg
consumer: Short-term exposure - systemic effects, Inhalation: 65 mg/m³
consumer: Short-term exposure - systemic effects, oral: 75 mg/kg
consumer: Long-term exposure- systemic effects, dermal: 75 mg/kg
consumer: Long-term exposure- systemic effects, Inhalation: 65 mg/m³
consumer: Long-term exposure- systemic effects, oral: 75 mg/kg

Exposure controls

Personal protective equipment

Respiratory protection:
Breathing protection if dusts are formed.

Breathing protection if dusts are formed.

Hand protection:
Suitable are protective gloves with the following specification. The recommendation is valid for laboratory conditions, specific workplace conditions must be taken into consideration separately. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

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.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	pastilles, flakes, waxy type	
Colour:	white	
Odour:	odourless	
pH value:	The substance does not dissociate.	
Melting point:	57 °C	(ASTM D97)
Boiling point:	335 °C (1,013 mbar)	
Flash point:	195.00 °C	(ASTM D93)
Lower explosion limit:	not determined	
Upper explosion limit:	not determined	

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Ignition temperature: not determined

Vapour pressure: 0.001 mbar (measured)
 (38 °C)

Density: 0.805 - 0.815 g/cm³ (DIN 51757)
 (60 °C)

Solubility in water: insoluble
 < 1 mg/l
 (23 °C)

Solubility (qualitative) solvent(s): distilled water
 insoluble

Partitioning coefficient n-octanol/water (log K_{ow}): 7.4 (measured)

Self ignition: Temperature: 269 °C
 Pressure: 1,013 mbar

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, kinematic: 4.0 mm²/s (ASTM D445)
 (100 °C)

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Other information

Bulk density: 480 - 510 kg/m³

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.

Chemical stability

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

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

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

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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): > 2,000 mg/kg (OECD Guideline 401)

LD50 rabbit (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 (OECD Guideline 404)

Serious eye damage/irritation rabbit: Slightly irritating. (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:
Skin sensitizing effects were not observed in animal studies.

Experimental/calculated data:
guinea pig: Non-sensitizing. (OECD Guideline 406)

Germ cell mutagenicity

Assessment of mutagenicity:
No mutagenic effect was found in various tests with bacteria and mammalian cell culture.

Experimental/calculated data:

Ames-test

Bacteria: negative

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

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Micronucleus assay
mouse: negative (OECD Guideline 474)

Carcinogenicity

Assessment of carcinogenicity:
The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity:
The information available on the product provides no indication of reproductive toxicity.

Developmental toxicity

Assessment of teratogenicity:
No indications of a developmental toxic / teratogenic effect were seen in animal studies. The results were determined in a Screening test (OECD 421/422).

Specific target organ toxicity (single exposure)

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:
The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Toxicity

Toxicity to fish:
LC50 > 100 mg/l, Brachydanio rerio (Screening (style of OECD 203))
No toxic effects occur within the range of solubility.

Aquatic invertebrates:
EC50 > 1,000 - 10,000 mg/l, Daphnia magna (OECD Guideline 202, part 1)
No toxic effects occur within the range of solubility.

Aquatic plants:
EC50 > 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201)

Microorganisms/Effect on activated sludge:
 EC0 > 100 mg/l, Pseudomonas putida (OECD Guideline 209)

Chronic toxicity to aquatic invertebrates:
 No observed effect concentration, <= 1 mg/l, Daphnia magna
 No toxic effects occur within the range of solubility. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Persistence and degradability

Assessment biodegradation and elimination (H2O):
 readily biodegradable, but failing 10d window

Bioaccumulative potential

Assessment bioaccumulation potential:
 Accumulation in organisms is expected.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:
 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

Must be disposed of or incinerated in accordance with local regulations.

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

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.

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.

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.

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