

Safety data sheet

Page: 1/10

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

Date / Revised: 20.06.2012

Version: 1.0

Product: **Agnique® ME 610 G**

(ID no. 30528167/SDS_GEN_GB/EN)

Date of print 11.07.2014

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

Product identifier

Agnique® ME 610 G

Chemical name: Fatty acids, methyl ester

REACH registration number: 01-2119527826-31-0000, 01-2119527826-31-0001

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

Relevant identified uses: Oleochemical raw material

Details of the supplier of the safety data sheet

Company:BASF SE
67056 Ludwigshafen
GERMANYContact address:BASF plc
PO Box 4, Earl Road, Cheadle Hulme,
Cheadle, Cheshire
SK8 6QG, UNITED KINGDOM

Telephone: +44 161 485-6222

E-mail address: product-safety-north@basf.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Label elements

Globally Harmonized System, EU (GHS)

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

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

Date / Revised: 20.06.2012

Version: 1.0

Product: **Agnique® ME 610 G**

(ID no. 30528167/SDS_GEN_GB/EN)

Date of print 11.07.2014

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

Fatty acids, C8-10, Me esters

CAS Number: 85566-26-3

EC-Number: 287-636-4

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.

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

Date / Revised: 20.06.2012

Version: 1.0

Product: **Agnique® ME 610 G**

(ID no. 30528167/SDS_GEN_GB/EN)

Date of print 11.07.2014

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

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: High density polyethylene (HDPE), carbon steel (iron)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

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

Components with PNEC

85566-26-3: Fatty acids, C8-10, Me esters

water: 0.0011 mg/l

marine water: 0.00011 mg/l

intermittent release: 0.011 mg/l

STP: 3.92 mg/l

sediment (freshwater): 0.0265 mg/kg

sediment (marine water): 0.00265 mg/kg

soil: 0.00871 mg/kg

oral (secondary poisoning): 0.0333 mg/kg

Components with DNEL

85566-26-3: Fatty acids, C8-10, Me esters

worker: Long-term exposure- systemic effects, dermal: 103.6 mg/kg

worker: Long-term exposure- systemic effects, Inhalation: 73.6 mg/m³

consumer: Long-term exposure- systemic effects, oral: 3.7 mg/kg

consumer: Long-term exposure- systemic effects, dermal: 51.8 mg/kg

consumer: Long-term exposure- systemic effects, Inhalation: 12.86 mg/m³

Exposure controlsPersonal protective equipment

Respiratory protection:

Not needed.

Hand protection:

Not needed.

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. Remove contaminated clothing immediately and dispose of safely.

9. Physical and Chemical Properties**Information on basic physical and chemical properties**

Form:	liquid	
Colour:	yellowish	
Odour:	strong specific odour	
pH value:		
	not applicable	
Melting point:	-44 °C	(ASTM D97)
Boiling point:	204.0 °C (998.000 mbar)	(Directive 84/449/EEC, A.2)
Flash point:	84.00 °C	(ASTM D92)
Ignition temperature:	300 °C	(Directive 84/449/EEC, A.15)
Vapour pressure:	0.39 mbar (20.0 °C)	(Directive 84/449/EEC, A.4)
Density:	0.88 g/cm ³ (20 °C)	(DIN 53217-5)
Solubility in water:	insoluble 0.0003 g/l (20.0 °C)	(Directive 84/449/EEC, A.6)
Solubility (qualitative) solvent(s):	distilled water insoluble	
Partitioning coefficient n-octanol/water (log Kow):	4.41	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, kinematic:	1.42 mm ² /s	(ASTM D445)
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

Other information

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

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 by inhalation.

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

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

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

LC50 rat (by inhalation): > 5 mg/l

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

Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Slightly irritating.

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

Serious eye damage/irritation rabbit: Slightly irritating.

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

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.

Experimental/calculated data:

Ames-test

Bacteria: negative

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

Carcinogenicity

Assessment of carcinogenicity:

The whole of the information available provides no indication of a carcinogenic effect. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Reproductive toxicity

Assessment of reproduction toxicity:

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

Developmental toxicity

Assessment of teratogenicity:

In animal studies the substance did not cause malformations. The results were determined in a Screening test (OECD 421/422). 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)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

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

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from products of a similar structure or composition. 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 > 10 - 100 mg/l, *Brachydanio rerio*

Aquatic invertebrates:

EC50 > 1 - 10 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 > 1 - 10 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*

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:

Study scientifically not justified.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:

Adsorption to solid soil phase is possible.

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

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

Hazardous good only when carried in inland waterway tanker (ADNR)

Sea transport

IMDG

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

Date / Revised: 20.06.2012

Version: 1.0

Product: **Agnique® ME 610 G**

(ID no. 30528167/SDS_GEN_GB/EN)

Date of print 11.07.2014

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.

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.