

SAFETY DATA SHEET

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

Revision date: 08-Mar-2017

Print date: 14-Mar-2017



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Mabanol Xenon Alpha Synth 0W-20

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

1.1. Product identifier

Trade name/designation:

Mabanol Xenon Alpha Synth 0W-20

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

Use of the substance/mixture:

Industrial uses

1.3. Details of the supplier of the safety data sheet

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

Mabanol GmbH & Co. KG

Koreastraße 7

20457 Hamburg

Germany

Telephone: 0049 (0) 40 36809988

E-mail: info@mabanol.com

Website: www.mabanol.com

1.4. Emergency telephone number

Giftinformationszentrale Göttingen , 24h: 0049 (0) 551 1 92 40

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
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Supplemental Hazard information (EU): -

Precautionary statements Prevention

P273	Avoid release to the environment.
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Precautionary statements Disposal

P501	Dispose of contents/container to Dispose of waste according to applicable legislation..
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Special rules for supplemental label elements for certain mixtures:

21,9 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (oral).

23,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).

100,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).

98,9 % percent of the mixture consists of components of unknown hazards to the aquatic environment.

2.3. Other hazards

No data available

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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-54-7 EC No.: 265-157-1	Destillate (Erdöl), mit Wasserstoff behandelte schwere paraffinhaltige ; Grundöl -nicht spezifiziert [Komplexe Kombination von Kohlenwasserstoffen, erhalten durch Behandeln einer Erdölfraktion mit Wasserstoff in Gegenwart eines Katalysators. Besteht aus Kohlenwasserstoffen mit Kohlenstoffzahlen vorherrschend im Bereich von C20 bis C50 und ergibt ein Fertiglöl von mindestens 19cSt bei 40°C. Enthält eine relativ große Menge gesättigter Kohlenwasserstoffe.]	75 - 80 Wt %
CAS No.: 147880-09-9	Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivs. Aquatic Chronic 4 H413	1 - 5 Wt %
CAS No.: 36878-20-3 EC No.: 253-249-4	bis(nonylphenyl)amine Aquatic Chronic 4 H413	1 - 5 Wt %
CAS No.: 121158-58-5 EC No.: 310-154-3	Phenol, dodecyl-, branched Skin Corr. 1C, Repr. 2, Aquatic Acute 1, Aquatic Chronic 1 H314-H361-H400-H410	< 0.1 Wt %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation:

In case of accident by inhalation: remove casualty to fresh air and keep at rest. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, consult a physician.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of skin irritation, consult a physician.

After ingestion:

Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice. Let water be drunk in little sips (dilution effect).

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

If swallowed or in case of vomiting, danger of entering the lungs.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder.

In case of major fire and large quantities: Water mist. Water spray jet

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Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO₂). Sulphur dioxide (SO₂).

Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Personal protection equipment: see section 8. Ventilate affected area. Special danger of slipping by leaking/spilling product.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil. If required, notify relevant authorities according to all applicable regulations. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Other information:

Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

No information available.

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Oil-resistant and hardly inflammable protective clothing. Avoid the formation of oil haze. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Usual measures for fire prevention. Keep away from sources of ignition - No smoking. Fire class B

Measures to prevent aerosol and dust generation:

Do not breathe vapour/aerosol.

Advices on general occupational hygiene

Clean skin thoroughly after working. Do not put any product-impregnated cleaning rags into your trouser pockets. When using do not eat, drink or smoke.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Only use containers specifically approved for the substance/product. Keep container tightly closed in a cool, well-ventilated place.

Hints on storage assembly:

Do not store together with: Gases. Explosives. Infectious substances. Radioactive substances. Infectious substances.

Storage class: 10 - Combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

No data available

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
bis(nonylphenyl)amine CAS No.: 36878-20-3	5 mg/kg bw/ day	① DNEL worker ② DNEL acute dermal, short-term (systemic)

Substance name	PNEC Value	① PNEC type
bis(nonylphenyl)amine CAS No.: 36878-20-3	0.1 mg/l	① PNEC aquatic, freshwater
bis(nonylphenyl)amine CAS No.: 36878-20-3	0.01 mg/l	① PNEC aquatic, marine water
bis(nonylphenyl)amine CAS No.: 36878-20-3	132,000 mg/ kg	① PNEC sediment, freshwater
Phenol, dodecyl-, branched CAS No.: 121158-58-5	0.000074 mg/l	① PNEC aquatic, freshwater
Phenol, dodecyl-, branched CAS No.: 121158-58-5	0.000007 mg/l	① PNEC aquatic, marine water
Phenol, dodecyl-, branched CAS No.: 121158-58-5	0.226 mg/kg	① PNEC sediment, freshwater
Phenol, dodecyl-, branched CAS No.: 121158-58-5	0.026 mg/kg	① PNEC sediment, marine water

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation.

8.2.2. Personal protection equipment



Eye/face protection:

Safety goggles with side protection. In case of increased risk add protective face shield. DIN EN 166

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Skin protection:

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 347/EN 388.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection:

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

Respiratory protection necessary at: aerosol or mist formation. exceeding exposure limit values.

Suitable respiratory protection apparatus:

Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

air limit values:

Possibility of exposure to Aerosols

Limit value = 5mg/m³ (Source ACGIH)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Colour: clear

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	233 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Relative density	0.846 g/cm ³	15 °C	DIN 51757	
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	43.19 mm ² /s	40 °C	DIN EN ISO 3104	

9.2. Other information

No data available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable at ambient temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
64742-54-7	Destillate (Erdöl), mit Wasserstoff behandelte schwere paraffinhaltige ; Grundöl -nicht spezifiziert [Komplexe Kombination von Kohlenwasserstoffen, erhalten durch Behandeln einer Erdölfraktion mit Wasserstoff in Gegenwart eines Katalysators. Besteht aus Kohlenwasserstoffen mit Kohlenstoffzahlen vorherrschend im Bereich von C20 bis C50 und ergibt ein Fertigöl von mindestens 19cSt bei 40°C. Enthält eine relativ große Menge gesättigter Kohlenwasserstoffe.]	LD₅₀ oral: >5,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rabbit)
36878-20-3	bis(nonylphenyl)amine	LD₅₀ oral: >5,000 mg/kg (Rat)
12115-8-58-5	Phenol, dodecyl-, branched	LD₅₀ oral: 2,100 mg/kg (Rat) LD₅₀ dermal: 15,000 mg/kg (Rabbit)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.
Frequently or prolonged contact with skin may cause dermal irritation.

Eye damage/irritation:

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

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

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STOT-repeated exposure:

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

Aspiration hazard:

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

Additional information:

No data available

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
64742-54-7	Destillate (Erdöl), mit Wasserstoff behandelte schwere paraffinhaltige ; Grundöl -nicht spezifiziert [Komplexe Kombination von Kohlenwasserstoffen, erhalten durch Behandeln einer Erdölfraktion mit Wasserstoff in Gegenwart eines Katalysators. Besteht aus Kohlenwasserstoffen mit Kohlenstoffzahlen vorherrschend im Bereich von C20 bis C50 und ergibt ein Fertigöl von mindestens 19cSt bei 40°C. Enthält eine relativ große Menge gesättigter Kohlenwasserstoffe.]	NOEC: 10 mg/l 21 d (Daphnia magna (Big water flea))
36878-20-3	bis(nonylphenyl)amine	LC₅₀: >100 mg/l 4 d (Brachydanio rerio (zebrafish)) EC₅₀: >100 mg/l 2 d (Daphnia magna (Big water flea))
121158-58-5	Phenol, dodecyl-, branched	LC₅₀: 40 mg/l 4 d (Pimephales promelas (fathead minnow)) ErC₅₀: 0.36 mg/l 3 d (Desmodesmus subspicatus) NOEC: 0.0037 mg/l 28 d (Daphnia magna (Big water flea))

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
64742-54-7	Destillate (Erdöl), mit Wasserstoff behandelte schwere paraffinhaltige ; Grundöl -nicht spezifiziert [Komplexe Kombination von Kohlenwasserstoffen, erhalten durch Behandeln einer Erdölfraktion mit Wasserstoff in Gegenwart eines Katalysators. Besteht aus Kohlenwasserstoffen mit Kohlenstoffzahlen vorherrschend im Bereich von C20 bis C50 und ergibt ein Fertigöl von mindestens 19cSt bei 40°C. Enthält eine relativ große Menge gesättigter Kohlenwasserstoffe.]	not determined	Not readily biodegradable (according to OECD criteria)
36878-20-3	bis(nonylphenyl)amine	not determined	The product is not easily biodegradable.
121158-58-5	Phenol, dodecyl-, branched	not determined	The product is not easily biodegradable.

Additional information:

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
121158-58-5	Phenol, dodecyl-, branched	7.1	2.9

Bioconcentration factor (BCF):

No indication of bioaccumulation potential.

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12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
64742-54-7	Destillate (Erdöl), mit Wasserstoff behandelte schwere paraffinhaltige ; Grundöl -nicht spezifiziert [Komplexe Kombination von Kohlenwasserstoffen, erhalten durch Behandeln einer Erdölfraktion mit Wasserstoff in Gegenwart eines Katalysators. Besteht aus Kohlenwasserstoffen mit Kohlenstoffzahlen vorherrschend im Bereich von C20 bis C50 und ergibt ein Fertigöl von mindestens 19cSt bei 40°C. Enthält eine relativ große Menge gesättigter Kohlenwasserstoffe.]	—
147880-09-9	Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivs.	—
36878-20-3	bis(nonylphenyl)amine	—
121158-58-5	Phenol, dodecyl-, branched	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code packaging:

15 01 10	packaging containing residues of or contaminated by dangerous substances
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Waste treatment options

Appropriate disposal / Package:

Handle contaminated packages in the same way as the substance itself.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

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14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Restrictions on use:

Not subject to 2012/18/EU (SEVESO III)

15.1.2. National regulations

[DE] National regulations

Störfallverordnung

Remark:

Not subject to StörfallVO.

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Remark:

Appendix 3, No. 4 (WGK), according to VwVwS

15.2. Chemical Safety Assessment

not applicable

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

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16.2. Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
CAS Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Occupational Safety and Health Administration
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln für Gefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H314	Causes severe skin burns and eye damage.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

16.6. Training advice

No data available

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16.7. Additional information

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.