



**Mendo G4 46**

22.02.2019

## SAFETY DATA SHEET

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### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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#### 1.1 Product identifier

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

Hydraulic oil

#### 1.3 Details of the supplier of the safety data sheet

Supplier                      Agro Oil  
                                      Box 30192  
                                      104 25 Stockholm, Sweden  
                                      Telephone +46 (0)10-556 00 00  
                                      E-mail info@agrol.se

#### 1.4 Emergency telephone number

In emergency situations, contact National Poisons Information Service.

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### SECTION 2. HAZARD IDENTIFICATION

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#### 2.1 Classification of the substance or mixture

Aquatic Chronic 3, H412

#### 2.2 Label elements

##### Hazard pictograms

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##### Signal word

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##### Substances that contribute to the classification

2,6-di-tert-butylphenol

##### Hazard statements

H412            Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P102            Keep out of reach of children.  
P273            Avoid release to the environment.  
P391            Collect spillage.  
P501            Dispose of contents/container to approved waste disposal facility in accordance with local regulations

#### 2.3 Other hazards

Repeated exposure may cause skin dryness.

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**SECTION 3. COMPOSITION/INFORMATION OM INGREDIENTS -**

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**3.2 Mixtures****Classification according to Regulation (EC) No 1272/2008 [CLP]**

Name	EC no.	CAS no.	REACH reg no.	% (w/w)	Hazard statements
Trimethylolpropane trioleate	260-895-0	57675-44-2	*	80 - 100	-
2,6-di-tert-butylphenol	204-884-0	128-39-2	01-2119480422-43	0,2 – 0,6	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

\*Not available or REACH registration not required.

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**SECTION 4. FIRST AID MEASURES**

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**4.1 Description of first aid measures**

After inhalation: Fresh air and rest. If difficulties in breathing get medical advice.

After eye contact: Rinse the eyes gently with water. If symptoms persist consult a doctor.

After skin contact: Take off contaminated clothing. Wash skin with soap and water.

After ingestion: Rinse mouth and drink water. Do **not** induce vomiting. Contact a doctor if experiencing symptoms.

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

Inhalation: In case of overheating, smoke and fumes appear irritating to the upper respiratory tract and lungs.

Eye: May cause mild eye irritation.

Skin: Repeated and prolonged contact may appear dehydrating on the skin and cause redness, skin cracking and eczema (dermatitis).

Ingestion: Small amounts are not expected to produce any acute or delayed symptoms. Large amounts may cause nausea and vomiting.

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

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**SECTION 5. FIREFIGHTING MEASURES**

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**5.1 Extinguishing media**

Suitable extinguishing media: Can be extinguished using dry powder, foam or carbon dioxide.

Unsuitable extinguishing media: Do not use direct water jet.

**5.2 Special hazards arising from the substance or mixture**

In case of fire, toxic and corrosive gases may develop.



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### 5.3 Advice for firefighters

Precautions according to the standard procedure for chemical fires. Use water **only** to cool containers that are exposed to fire. Prevent extinguishing water from contaminating surface water or groundwater.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin.

### 6.2 Environmental precautions

Do not allow discharge to enter sewers, watercourses or the ground.

### 6.3 Methods and material for containment and cleaning up

Contain/absorb spillages with suitable absorbent material such as sand or active clay. Handle as hazardous waste.

### 6.4 Reference to other sections

See Section 8 for Exposure controls / personal protection and Section 13 for disposal considerations..

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## SECTION 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Avoid prolonged or repeated contact with skin.  
Do not reuse soiled clothing unless laundered.  
Avoid inhalation of vapours, mist or fumes.

### 7.2 Conditions for safe storage, including any incompatibilities

Containers must be kept tightly closed and sealed. Keep out of reach of children.

### 7.3 Specific end use

See Section 1.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

#### Exposure limits according to National regulations

Contains no substances with occupational exposure limits in the workplace. This information refers to Great Britain.<sup>1</sup> For other countries, refer to national legislation.

<sup>1</sup>For Great Britain see: Health and Safety Executive EH40/2005 Workplace exposure limits (third edition, published 2018). Published by the Health and Safety Executive. OELs for oil mist have been omitted from the published 2018 list.



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### 8.2 Exposure controls

#### Appropriate technical measures

Ensure adequate ventilation.

#### Personal protection

Respiratory protection: Usually not needed.

Eye/face protection: Wear eye protection (safety glasses with side shields or full face shield) when risk of splashing.

Skin protection: Wear protective gloves (nitrile or PVC) and protective clothing.

#### Environmental exposure control

Prevent discharges into drains.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

Appearance:	Oil, brownish yellow
Odour:	No information
Odour treshold:	No information
pH:	Not applicable
Melting-point / freezing-point:	Not available
Initial boiling-point and boiling range:	Not available
Flash-point:	227 °C (ASTM D93, P-M)
Evaporation rate:	No information
Flammability (solid, gas):	Not relevant
Upper / lower flammability or explosive limits:	No information
Vapour pressure:	No information
Vapour density:	No information
Relative density:	925 kg/m <sup>3</sup> (15 °C)
Solubility in water:	Insoluble
Solubility in organic solvents	No information
Partition coefficient, n-octano/water:	No information
Decomposition temperature:	No information
Auto-ignition temperature:	Not available
Viscosity, kinematic:	42.8 mm <sup>2</sup> /S (40 °C)
Explosive properties:	Not available
Oxidising properties:	Not oxidising

### 9.2 Other information

Lowest pour point: <-39 °C

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## SECTION 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

The product is not reactive under normal conditions.



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### 10.2 Chemical stability

The product is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

None specific.

### 10.5 Incompatible materials

The product may react with strong oxidizing agents.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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## SECTION 11. TOXIKOLOGICAL INFORMATION

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### 11.1 Information on toxikological effects

#### Acute toxicity

There is no basis for classification.

#### Corrosive / irritating on the skin

Repeated and prolonged contact may appear dehydrating on the skin and cause redness, skin cracking and eczema (dermatitis).

#### Serious eye damage / irritation

May cause mild eye irritation.

#### Respiratory / skin sensitization

Not considered sensitizing.

#### Germ cell mutagenicity

It is not considered to cause mutations in germ cells.

#### Carcinogenicity

Not considered to be carcinogenic.

#### Toxic to reproduction

Not considered to be toxic to reproduction.

#### Specific organ toxicity-single exposure

In case of overheating, smoke and fumes appear irritating to the upper respiratory tract and lungs.

#### Specific organ toxicity-repeated exposure

No information available.

#### Aspiration Hazard

Considered not to be an aspiration hazard.



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### SECTION 12. ECOLOGICAL INFORMATION

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The product is classified as hazardous to the environment (H412).

#### 12.1 Toxicity

No data available.

2,6-di-tert-butylphenol is classified as very toxic to aquatic life.

#### 12.2 Persistence and degradability

Trimethylolpropane trioleate is rapidly biodegradable.

Degradability: 83.6 %, 28 d. (OECD 301C).

#### 12.3 Bioaccumulative potential

No information available.

#### 12.4 Mobility in soil

The product is insoluble in water and is not considered to be mobile in soil.

#### 12.5 Results of PBT and vPvB assessment

Based on available information, this mixture contains no substance that meets the PBT or vPvB criteria according to Annex XIII to Regulation (EC) No. 1907/2006 (REACH).

#### 12.6 Other adverse effects

None known.

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### SECTION 13. DISPOSAL CONSIDERATIONS

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#### 13.1 Waste treatment methods

##### Product

Product residues, spills etc. are classified as hazardous waste. Disposal, transportation, storage and handling of the waste must be in accordance with national regulations. Product waste must not be allowed to contaminate soil or water, or released into the environment.

HP 14 Ecotoxic: waste which presents or may present immediate or delayed risks for one or more sectors of the environment.

Suggested waste code (EWC): 13 01 12\*, Readily biodegradable hydraulic oils

##### Packaging

EWC-code: 15 01 02, Plastic packaging

EWC-code: 15 01 04, Metallic packaging

Packaging containing product residues that are not drip dry must be handled as hazardous waste and disposed of properly sealed.

EWC-code: 15 01 10, Packaging containing residues of or contaminated by hazardous substances.



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### SECTION 14. TRANSPORT INFORMATION

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The product is not covered by the regulations for the transport of dangerous goods.

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### SECTION 15. REGULATORY INFORMATION

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

This safety data sheet is prepared in accordance with the EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH) and Commission Regulation (EU) No 2015/830 of 28 May 2015 amending the European Parliament and Council Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH).

#### Regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substance and mixtures (CLP).

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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### SECTION 16. OTHER INFORMATION

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#### Classification procedure

Test data is prioritized when classifying the product. When no test data are available the classification criteria in Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP) have been used.

#### Hazard statements in Section 3

H315	Causes skin irritation
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects

#### Abbreviations

BCF	Bio Concentration Factor
BOD5/COD	Biological Oxygen Demand 5 days/Chemical Oxygen demand
BOD (MITI)	Biological Oxygen Demand
DNEL	Derived No Effect Level
EC50	Effective Concentration (concentration that gives response in 50% of test subjects)
ECHA	European Chemical Agency
EmS	Emergency Schedule Information
IARC	International Agency for Research on Cancer
IC50	Inhibitory Concentration (concentration that shows inhibition in 50% of the test subjects)
LC50	Lethal Concentration (concentration causing the death of 50% of a group of test animals)LD50 Lethal Dose (dose causing the death of 50% of a group of test animals)



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Log Pow	Partition coefficient of octanol – water
MITI	Ministry of International Trade and Industry, Japan
NOEC	No Observed Effect Concentration
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bio-accumulative and Toxic substance
PNEC	Predicted No Effect Concentration
STEL	Short Term Exposure Limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	very Persistent and very Bioaccumulative

### Advice on education

The user of this product should have training that is relevant to the properties of the product and relevant use.

### References

Previous version of the safety data sheet.  
Classification & Labelling Inventory Database, ECHA.  
Registered substances, ECHA.

### Version description

The information has been modified under the following sections in the safety data sheet: 1 - 16

The safety data sheet is dated 22.02.2019 and replaces version dated 04.10.2014.