

# Safety Data Sheet

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



**Trade name :** Autol HEL Premium Wirkstoff, Art.-no. 1032  
**Revision date :** 03.05.2017  
**Print date :** 03.05.2017

**Version (Revision) :** 8.0.0 (7.0.0)

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

### 1.1 Product identifier

Autol HEL Premium Wirkstoff

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

**Relevant identified uses**

additive for mineral oil products

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

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

Eni Schmiertechnik GmbH

**Street :** Paradiesstr. 14

**Postal code/city :** D-97080 Würzburg

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### 1.4 Emergency telephone number

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Skin Sens. 1A ; H317 - Skin sensitisation : Category 1A ; May cause an allergic skin reaction.

### 2.2 Label elements

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

##### Hazard pictograms



Health hazard (GHS08) · Environment (GHS09) · Exclamation mark (GHS07)

##### Signal word

Danger

##### Hazard components for labelling

HYDROCARBONS, C14-C18, N-ALKANES,..., AROMATICS (2-30 %)

HYDROCARBONS, C11-C14, N-ALKANES,..., AROMATICS (2-25 %)

N,N-BIS(2-ETHYLHEXYL)-((1,2,4-TRIAZOL-1-YL)METHYL)AMINE ; CAS No. : 91273-04-0

A,A'-PROPYLENEDIDINITRILODI-O-CRESOL ; CAS No. : 94-91-7

##### Hazard statements

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H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/....  
P331 Do NOT induce vomiting.  
P501 Dispose of contents/container as per local and national regulations.

### Additional information

P302+P352 - IF ON SKIN: Wash with plenty of water/....  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

HYDROCARBONS, C14-C18, N-ALKANES,..., AROMATICS (2-30 %) ; REACH registration No. : 01-2119448343-41-xxxx ; EC No. : 920-360-0

Weight fraction :  $\geq 25 - < 50$  %  
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

HYDROCARBONS, C11-C14, N-ALKANES,..., AROMATICS (2-25 %) ; REACH registration No. : 01-2119458869-15-xxxx ; EC No. : 925-653-7

Weight fraction :  $\geq 25 - < 50$  %  
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304 Aquatic Chronic 3 ; H412

2,6-DIMETHYLOCT-7-EN-2-OL ; REACH registration No. : 01-2119457274-37-XXXX ; EC No. : 242-362-4 ; CAS No. : 18479-58-8

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

2,6-DI-TERT-BUTYL-PHENOL ; REACH registration No. : 01-2119490822-33-xxxx ; EC No. : 204-884-0 ; CAS No. : 128-39-2

Weight fraction :  $\geq 1 - < 5$  %  
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. ; EC No. : 265-198-5 ; CAS No. : 64742-94-5

Weight fraction :  $\geq 1 - < 5$  %  
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

DICYCLOHEXYLAMINE ; REACH registration No. : 01-2119493354-33-XXXX ; EC No. : 202-980-7 ; CAS No. : 101-83-7

Weight fraction :  $\geq 1 - < 3$  %  
Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

N,N-BIS(2-ETHYLHEXYL)-((1,2,4-TRIAZOL-1-YL)METHYL)AMINE ; REACH registration No. : 01-2119930450-49-xxxx ; EC No. : 401-280-0 ; CAS No. : 91273-04-0

Weight fraction :  $\geq 0,1 - < 1$  %  
Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Skin Sens. 1A ; H317 Aquatic Chronic 1 ;

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H410

A,A'-PROPYLENEDIDINITRILODI-O-CRESOL ; EC No. : 202-374-2; CAS No. : 94-91-7

Weight fraction :  $\geq 0,1 - < 0,3$  %

Classification 1272/2008 [CLP] : Repr. 1B ; H360 Acute Tox. 4 ; H302 Skin Sens. 1 ; H317 Aquatic Chronic 3 ; H412

NAPHTHALENE ; REACH registration No. : 01-2119561346-37-XXXX ; EC No. : 202-049-5; CAS No. : 91-20-3

Weight fraction :  $< 1$  %

Classification 1272/2008 [CLP] : Carc. 2 ; H351 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

1,2,4-TRIMETHYLBENZENE ; EC No. : 202-436-9; CAS No. : 95-63-6

Weight fraction :  $< 1$  %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335 Aquatic Chronic 2 ; H411

MESITYLENE ; REACH registration No. : 01-2119463878-19-0000 ; EC No. : 203-604-4; CAS No. : 108-67-8

Weight fraction :  $< 1$  %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H335 Aquatic Chronic 2 ; H411

### Additional information

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Observe risk of aspiration if vomiting occurs.

#### Following inhalation

Provide fresh air. Remove victim out of the danger area.

#### In case of skin contact

Wash immediately with: Soap Immediately remove all contaminated clothing.

#### After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician. Consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Keep at rest. Call a physician immediately.

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

Frequently or prolonged contact with skin may cause dermal irritation.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>) Sand Foam Dry extinguishing powder Water spray jet

#### Unsuitable extinguishing media

High power water jet

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

#### Hazardous combustion products

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>) Carbon monoxide Nitrogen oxides (NO<sub>x</sub>) Pyrolysis products, toxic

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### 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

#### Special protective equipment for firefighters

Burning produces heavy smoke.

### 5.4 Additional information

Move undamaged containers from immediate hazard area if it can be done safely. Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

Take the precautions customary when handling chemicals. Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Take up with a liquid absorbing material and proceed according to the waste disposal regulations.

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

Remove mechanically, take-up residues with absorbing material.

#### For cleaning up

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

#### Other information

Clear spills immediately.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage



### 7.1 Precautions for safe handling

Take the precautions customary when handling chemicals. Only use the material in places where open light, fire and other flammable sources can be kept away.

#### Protective measures

Avoid: Inhalation of vapours or spray/mists Skin contact Eye contact Wear personal protection equipment (refer to section 8). Use only in well-ventilated areas.

#### Measures to prevent fire

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

#### Measures to prevent aerosol and dust generation

Ensure adequate ventilation of the storage area.

#### Environmental precautions

See section 8.

#### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

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

Keep container tightly closed in a cool, well-ventilated place. Avoid heating over 50°C. Ensure adequate ventilation of

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the storage area. Restrict access to stockrooms.

### Hints on joint storage

**Storage class (TRGS 510) :** 10

#### Keep away from

Strong acid Strong alkali Oxidising agent

### Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place.

**Protect against :** Heat. UV-radiation/sunlight

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. ; CAS No. : 64742-94-5

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 100 mg/m<sup>3</sup>

Version :

DICYCLOHEXYLAMINE ; CAS No. : 101-83-7

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 0,7 ppm / 5 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : H, Y

Version : 04.11.2017

NAPHTHALENE ; CAS No. : 91-20-3

Limit value type (country of origin) : TRGS 900 ( D )

Parameter : E: inhalable fraction

Limit value : 0,1 ppm / 0,5 mg/m<sup>3</sup>

Peak limitation : 1(I)

Remark : H, Y

Version : 04.11.2017

Limit value type (country of origin) : TWA ( EC )

Limit value : 10 ppm / 50 mg/m<sup>3</sup>

Version : 29.05.1991

1,2,4-TRIMETHYLBENZENE ; CAS No. : 95-63-6

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 20 ppm / 100 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 04.11.2017

Limit value type (country of origin) : TWA ( EC )

Limit value : 20 ppm / 100 mg/m<sup>3</sup>

Version : 08.06.2000

MESITYLENE ; CAS No. : 108-67-8

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 20 ppm / 100 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 04.11.2017

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Limit value type (country of origin) : TWA ( EC )  
Limit value : 20 ppm / 100 mg/m<sup>3</sup>  
Version : 08.06.2000

### Recommended monitoring procedures

Method : Test tube

## 8.2 Exposure controls

### Personal protection equipment

None, but avoid breathing vapours if possible. If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

### Eye/face protection

Eye glasses with side protection

#### Suitable eye protection

Use safety glasses.

#### Required properties

DIN EN 166

#### Remark

Take the precautions customary when handling chemicals.

### Skin protection

Solvent-resistant protective gloves must be worn. Gloves, for example PVC at least 0,8 mm thick. See protective gloves instruction sheet.

#### Hand protection

**Suitable gloves type :** Disposable gloves.

**Suitable material :** PVC (Polyvinyl chloride)

**Unsuitable material :** Thick fabric

**Wearing time with occasional contact (splashes) :** 4 hrs

**Recommended glove articles :** DIN EN 374

**Additional hand protection measures :** Do not wear gloves near rotary machines and tools. Use gloves only once. Breakthrough times and swelling properties of the material must be taken into consideration. Wear cotton underneath if possible. Take recovery periods for skin regeneration.

#### Body protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

**Suitable protective clothing :** Overall

**Recommended material :** Natural fibres (e.g. cotton)

**Remark :** Only wear fitting, comfortable and clean protective clothing.

### Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values

#### Suitable respiratory protection apparatus

Combination filtering device (EN 14387) A

#### Remark

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.

### General health and safety measures

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

### Occupational exposure controls

#### Technical measures to prevent exposure

See section 7. No additional measures necessary.

### Environmental exposure controls

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## Technical measures to prevent exposure

See section 7. No additional measures necessary.

### 8.3 Additional information

Preventive industrial medical examinations are to be offered.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state :** liquid

**Colour :** light brown

#### Odour

like: Mineral oil.

#### Safety relevant basis data

<b>Melting point/melting range :</b>			No data available
<b>Freezing point :</b>			No data available
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	>	160 °C
<b>Decomposition temperature :</b>			No data available
<b>Flash point :</b>		>	61 °C
<b>Ignition temperature :</b>			No data available
<b>Lower explosion limit :</b>			No data available
<b>Upper explosion limit :</b>			No data available
<b>Vapour pressure :</b>	( 50 °C )	<	100 hPa
<b>Density :</b>	( 20 °C )	<	1 g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )		No data available
<b>pH :</b>			No data available
<b>Flow time :</b>	( 20 °C )		No data available
<b>Viscosity :</b>	( 20 °C )		No data available
<b>Cinematic viscosity :</b>	( 40 °C )	<	20,5 mm <sup>2</sup> /s
<b>Odour threshold :</b>			No data available
<b>Relative vapour density :</b>	( 20 °C )		No data available
<b>Vapourisation rate :</b>			No data available
<b>Flammable aerosols :</b>			No data available.
<b>Oxidising liquids :</b>			No data available.
<b>Explosive properties :</b>			No data available.

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None, if handled according to order.

### 10.2 Chemical stability

None, if handled according to order.

### 10.3 Possibility of hazardous reactions

None, if handled according to order.

### 10.4 Conditions to avoid

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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### 10.5 Incompatible materials

Reaction with oxidizing agents possible.

### 10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

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

#### Acute oral toxicity

Parameter :	LD50 ( 2,6-DIMETHYLOCT-7-EN-2-OL ; CAS No. : 18479-58-8 )
Exposure route :	Oral
Species :	Rat
Effective dose :	3600 mg/kg
Parameter :	LD50 ( 2,6-DI-TERT-BUTYL-PHENOL ; CAS No. : 128-39-2 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. ; CAS No. : 64742-94-5 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 ( DICYCLOHEXYLAMINE ; CAS No. : 101-83-7 )
Exposure route :	Oral
Species :	Rat
Effective dose :	373 mg/kg
Parameter :	LD50 ( NAPHTHALENE ; CAS No. : 91-20-3 )
Exposure route :	Oral
Species :	Rat
Effective dose :	490 mg/kg

#### Acute dermal toxicity

Parameter :	LD50 ( 2,6-DIMETHYLOCT-7-EN-2-OL ; CAS No. : 18479-58-8 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( 2,6-DI-TERT-BUTYL-PHENOL ; CAS No. : 128-39-2 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 10000 mg/kg
Parameter :	LD50 ( DICYCLOHEXYLAMINE ; CAS No. : 101-83-7 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	200 - 316 mg/kg

#### Acute inhalation toxicity

Parameter :	LC50 ( DICYCLOHEXYLAMINE ; CAS No. : 101-83-7 )
Exposure route :	Inhalative (vapour)
Species :	Rat
Effective dose :	> 2,1 mg/l
Exposure time :	4 h



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## Irritant and corrosive effects

### Primary irritation to the skin

Causes skin irritation.

### Irritation to eyes

Causes serious eye irritation.

## Sensitisation

May cause an allergic skin reaction.

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

### Carcinogenicity

No information available.

### Germ cell mutagenicity

No information available.

### Reproductive toxicity

No information available.

## STOT-single exposure

No information available.

## STOT-repeated exposure

No information available.

## Aspiration hazard

May be fatal if swallowed and enters airways.

## 11.2 Additional information

Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

Toxic to aquatic life with long lasting effects.

#### Acute (short-term) fish toxicity

Parameter : LC50 ( SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. ; CAS No. : 64742-94-5 )  
Species : Acute (short-term) fish toxicity  
Effective dose : > 10 mg/l

Parameter : LC50 ( SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. ; CAS No. : 64742-94-5 )  
Species : Acute (short-term) daphnia toxicity  
Effective dose : > 10 mg/l

Parameter : LC50 ( SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. ; CAS No. : 64742-94-5 )  
Species : Acute (short-term) algae toxicity  
Effective dose : > 10 mg/l

#### Acute (short-term) algae toxicity

Parameter : EC50 ( 2,6-DI-TERT-BUTYL-PHENOL ; CAS No. : 128-39-2 )  
Species : Daphnia pulex (water flea)  
Effective dose : > 0,45 mg/l  
Exposure time : 48 h

### 12.2 Persistence and degradability

The product is difficult to biologically degrade. May be separated mechanically in purification plants.

### 12.3 Bioaccumulative potential

May accumulate in organisms.

### 12.4 Mobility in soil

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No information available.

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

Do not empty into waters or drains.

### Additional information

Product may not be released into water without pre-treatment (biological sewage plant).

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

##### Waste code product

Waste code product List of proposed waste codes/waste designations in accordance with AVV

##### Waste treatment options

##### Appropriate disposal / Product

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

##### Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

## SECTION 14: Transport information

### 14.1 UN number

UN 3082

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( 2,6-DI-TERT-BUTYL-PHENOL · DICYCLOHEXYLAMINE )

#### Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( 2,6-DI-TERT-BUTYL-PHENOL · DICYCLOHEXYLAMINE · N,N-BIS(2-ETHYLHEXYL)-((1,2,4-TRIAZOL-1-YL)METHYL)AMINE · NAPHTHALENE )

#### Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( 2,6-DI-TERT-BUTYL-PHENOL · DICYCLOHEXYLAMINE )

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

**Class(es) :** 9  
**Classification code :** M6  
**Hazard identification number (Kemler No.) :** 90  
**Special provisions :** LQ 5 I · E 1 · ADR : - (SP 375 <= 5 I / 5 kg)  
**Hazard label(s) :** 9 / N

#### Sea transport (IMDG)

**Class(es) :** 9  
**EmS-No. :** F-A / S-F  
**Special provisions :** LQ 5 I · E 1 · IMDG : - (SP 2.10.2.7 <= 5 I/kg)  
**Hazard label(s) :** 9 / N

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### Air transport (ICAO-TI / IATA-DGR)

**Class(es) :** 9  
**Special provisions :** E 1 · IATA : - (SP A197 <= 5 l / 5 kg)  
**Hazard label(s) :** 9 / N

### 14.4 Packing group

III

### 14.5 Environmental hazards

**Land transport (ADR/RID) :** Yes  
**Sea transport (IMDG) :** Yes (P)  
**Air transport (ICAO-TI / IATA-DGR) :** Yes

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

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

#### National regulations

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

##### Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

##### Other regulations, restrictions and prohibition regulations

No flammable liquid according to BetrSichV.

### 15.2 Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

- 02.01. Classification according to Regulation (EC) No 1272/2008 [CLP] - Skin Sens.
- 02.01. Classification according to Regulation (EC) No 1272/2008 [CLP] - Repr.
- 02.02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling
- 02.02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard statements
- 02.02. Supplemental Hazard information (EU)
- 03. Hazardous ingredients
- 07. Hints on joint storage - Storage class
- 11. Reproductive toxicity

### 16.2 Abbreviations and acronyms

EAK: Europäischer Abfallartenkatalog (EWC: European Waste Catalogue)  
AVV: Abfallverzeichnisverordnung (List of waste regulation)  
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules on Hazardous Substances)  
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative Regulation of substances hazardous to water)  
ADR: Accord européen relatif le transport des marchandises dangereuses par Route (European agreement concerning the international carriage of dangerous goods by road)  
IMDG: International Maritime Dangerous Goods Code  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstract Service (Division of the American Chemical Society)

# Safety Data Sheet

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



**Trade name :** Autol HEL Premium Wirkstoff, Art.-no. 1032  
**Revision date :** 03.05.2017  
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**Version (Revision) :** 8.0.0 (7.0.0)

DNEL: Derived No Effect Level (REACH)  
PNEC: Predicted No Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
See overview table at [www.euphrac.eu](http://www.euphrac.eu).

### 16.3 Key literature references and sources for data

None

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

Calculation method.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.6 Training advice

None

### 16.7 Additional information

None

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.