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

1.1 Product identifier

Product number 697312
Product name AZ 1518 Photoresist

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

Identified uses Materials for use in technical applications

1.3 Details of the supplier of the safety data sheet

Company Merck KGaA * 64271 Darmstadt * Germany * Phone:+49 6151 72-0
Responsible Department PM-OQR * e-mail: PM_SDS_Supply@merckgroup.com

1.4 Emergency telephone number

Please contact the regional company representation in your country.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)
Flammable liquids, Category 3
H226: Flammable liquid and vapour.

Specific target organ toxicity - single exposure, Category 3, Central nervous system
H336: May cause drowsiness or dizziness.
Calculation method

Long-term (chronic) aquatic hazard, Category 3
H412: Harmful to aquatic life with long lasting effects.
Calculation method

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

<table>
<thead>
<tr>
<th>Signal word</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning</td>
<td>H226 Flammable liquid and vapour.</td>
</tr>
<tr>
<td></td>
<td>H336 May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td></td>
<td>H412 Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>
Precautionary statements:

**Prevention:**
- P210 Keep away from heat.
- P273 Avoid release to the environment.

Hazardous components which must be listed on the label:
2-methoxy-1-methylethyl acetate

**Reduced Labelling (<= 125 ml)**

**Hazard pictograms**

**Signal word**

**Warning**

**Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Additional Labelling**

EUH208 Contains: 2,3,4-Trihydroxybenzophenone. May produce an allergic reaction.

**2.3 Other hazards**

None known.

### SECTION 3: Composition/information on ingredients

**Chemical nature:** Organic mixture in:
- solvent

**3.1 Substance**

Not applicable
### 3.2 Mixtures

#### Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No. Registration number</th>
<th>Classification</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone</td>
<td>68510-93-0 01-2120753804-50-xxxx</td>
<td>Flam. Sol. 2; H228 Self-react. D; H242 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 3; H412</td>
<td>&gt;= 2,5 - &lt; 10</td>
</tr>
<tr>
<td>2,3,4-Trihydroxybenzophenone</td>
<td>1143-72-2 01-2120751503-60-xxxx</td>
<td>Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Chronic 1; H410</td>
<td>&gt;= 0.25 - &lt; 1</td>
</tr>
<tr>
<td>2-Methoxypropyl acetate-1</td>
<td>70657-70-4</td>
<td>Flam. Liq. 3; H226 Repr. 1B; H360D STOT SE 3; H335</td>
<td>&gt;= 0.1 - &lt; 0.3</td>
</tr>
</tbody>
</table>

**Substances with a workplace exposure limit**

| 2-methoxy-1-methylethyl acetate                                             | 108-65-6 01-2119475791-29-xxxx | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 50 - <= 100 |

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- **If inhaled**: fresh air.
- **In case of skin contact**: Take off immediately all contaminated clothing. Rinse skin with water/shower.
- **In case of eye contact**: rinse out with plenty of water. Remove contact lenses.
- **If swallowed**: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

- **Symptoms**: We have no description of any toxic symptoms.
The Safety Data Sheets for catalogue items are available at www.merck-performance-materials.com

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

AZ 1518 Photoresist

Version: 2.0          Product number: 697312          Revision Date: 22.10.2018
Print Date: 23.10.2018

4.3 Indication of any immediate medical attention and special treatment needed
Treatment: No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: Water
Foam
Carbon dioxide (CO2)
Dry powder

 Unsuitable extinguishing media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture
Specific hazards during firefighting: Combustible.
Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters
Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.
Further information: Cool closed containers exposed to fire with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions: Advice for non-emergency personnel:
Do not breathe vapours, aerosols.
Ensure adequate ventilation.
Keep away from heat and sources of ignition.
Evacuate the danger area, observe emergency procedures, consult an expert.
Advice for emergency responders:
Protective equipment see section 8.

6.2 Environmental precautions
Environmental precautions: Do not flush into surface water or sanitary sewer system. Risk of explosion.
6.3 Methods and material for containment and cleaning up
Methods for cleaning up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections
Indications about waste treatment see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling: Observe label precautions.
Advice on protection against fire and explosion: Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.
Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities
Further information on storage conditions: Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Protected from light.
Risks from decomposition products: see section 10.3
Storage period: < 12 Months
Recommended storage temperature: Recommended storage temperature see product label.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls
Engineering measures
Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See section 7.1.

Personal protective equipment
Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled and must meet the
specifications of a standard EN/ISO/DIN. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye protection : Safety glasses

Hand protection :

\[
\begin{align*}
\text{Glove material} & : \text{Nitrile rubber} \\
\text{Glove thickness} & : 0,4 \text{ mm} \\
\text{Break through time} & : >10 \text{ min}
\end{align*}
\]

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example: KCL 730 Camatril®-Velours (splash contact).

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Protective measures : Flame retardant antistatic protective clothing.

Respiratory protection : required when vapours/aerosols are generated.

Recommended Filter type: ABEK-filter

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

Risk of explosion.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Form</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>yellow to red</td>
</tr>
<tr>
<td>Odour</td>
<td>ester-like</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No information available.</td>
</tr>
</tbody>
</table>
## 9.2 Other data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity, dynamic</td>
<td>ca. 35 mPas</td>
</tr>
<tr>
<td></td>
<td>at 20 °C</td>
</tr>
</tbody>
</table>

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Vapour/air-mixtures are explosive at intense warming.
10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions
Hazardous reactions: no information available

10.4 Conditions to avoid
Conditions to avoid: Heating.
Exposure to light.

10.5 Incompatible materials
Materials to avoid: Oxidizing agents
Acids
Bases

10.6 Hazardous decomposition products
No information available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:
Acute oral toxicity: No data available
Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:
Acute oral toxicity: LD50 (Rat, female): > 5.000 mg/kg
Method: OECD Test Guideline 401
Remarks: (ECHA)

Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

2,3,4-Trihydroxybenzophenone:
Acute oral toxicity: LD50 (Rat, male): > 5.000 mg/kg
Method: OECD Test Guideline 401
Remarks: (own results)

Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

2-Methoxypropyl acetate-1:
Acute oral toxicity: No data available
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

AZ 1518 Photoresist

Version: 2.0
Product number: 697312
Revision Date: 22.10.2018
Print Date: 23.10.2018

Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

2-methoxy-1-methylethyl acetate:
Acute oral toxicity: LD50 (Rat, male and female): 6.190 mg/kg
Method: OECD Test Guideline 401
Remarks: (ECHA)

Acute inhalation toxicity: No data available
Acute dermal toxicity: LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Remarks: (ECHA)

Skin corrosion/irritation

Product:
No data available

Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:
Species: Rabbit
Method: OECD Test Guideline 404
Result: Skin irritation
Remarks: (ECHA)

Method: OECD Test Guideline 431
Result: non-corrosive
Remarks: In vitro methods

2,3,4-Trihydroxybenzophenone:
Species: Rabbit
Method: OECD Test Guideline 404
Result: irritating
Remarks: (ECHA)

2-methoxy-1-methylethyl acetate:
Species: Rabbit
Exposure time: 24 h
Method: OECD Test Guideline 404
Result: No skin irritation
Remarks: (ECHA)

Serious eye damage/eye irritation

Product:
No data available
Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:
Result: No eye irritation
Remarks: In vitro methods

2,3,4-Trihydroxybenzophenone:
Species: Rabbit
Method: OECD Test Guideline 405
Result: Risk of serious damage to eyes.
Remarks: (ECHA)

2-methoxy-1-methylethyl acetate:
Species: Rabbit
Method: OECD Test Guideline 405
Result: No eye irritation
Remarks: (ECHA)

Respiratory or skin sensitisation

Product:
No data available

Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:
Test Type: Local lymph node assay (LLNA)
Exposure routes: Skin contact
Species: Mouse
Method: OECD Test Guideline 442B
Result: Does not cause skin sensitisation.
Remarks: (ECHA)

2,3,4-Trihydroxybenzophenone:
Test Type: Sensitisation test:
Exposure routes: Skin contact
Species: Guinea pig
Method: OECD Test Guideline 406
Result: The product is a skin sensitiser, sub-category 1A.
Remarks: (ECHA)

2-methoxy-1-methylethyl acetate:
Test Type: Maximisation Test
Exposure routes: dermal
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.
Remarks: (ECHA)
Germ cell mutagenicity

Product:
No data available

Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:

Genotoxicity in vitro:
- Test Type: Ames test
  Test system: Salmonella typhimurium
  Metabolic activation: with and without metabolic activation
  Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)
  Result: negative
  Remarks: (ECHA)

2,3,4-Trihydroxybenzophenone:

Genotoxicity in vitro:
- Test Type: Mouse lymphoma test
  Result: positive

- Test Type: Cytogenetic assay
  Result: negative

- Test Type: reverse mutation assay
  Test system: Escherichia coli/Salmonella typhimurium
  Metabolic activation: with and without metabolic activation
  Method: OECD Test Guideline 471
  Result: negative
  Remarks: (ECHA)

Genotoxicity in vivo:
- Test Type: Micronucleus test
  Species: Mouse (male and female)
  Application Route: Oral
  Method: OECD Test Guideline 474
  Result: positive
  Remarks: (ECHA)

Germ cell mutagenicity-
Assessment:
In vitro tests showed mutagenic effects, Weight of evidence does not support classification as a germ cell mutagen.

2-methoxy-1-methylethyl acetate:

Genotoxicity in vitro:
- Test Type: Ames test
  Test system: Salmonella typhimurium
  Metabolic activation: with and without metabolic activation
  Method: OECD Test Guideline 471
  Result: negative
  Remarks: (ECHA)
Carcinogenicity

Product:
This information is not available.

Components:
This information is not available.

Reproductive toxicity

Product:
No data available

Components:

2-Methoxypropyl acetate-1:
Effects on fertility :
Effects on foetal development :
Reproductive toxicity - Assessment :

2-methoxy-1-methylethyl acetate:
Effects on fertility :
Effects on foetal development :

STOT - single exposure

Product:
No data available

Components:

2-Methoxypropyl acetate-1:
Exposure routes: Inhalation
Assessment: May cause respiratory irritation.

2-methoxy-1-methylethyl acetate:
Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Product:
No data available
Components:
No data available

Repeated dose toxicity

Product:
No data available

Components:

2-methoxy-1-methylethyl acetate:
Species: Rat, male and female
NOAEL: >= 1.000 mg/kg
Application Route: Oral
Exposure time: 44 d
Number of exposures: daily
Method: OECD Test Guideline 422
Remarks: (ECHA)

Subacute toxicity

Aspiration toxicity

Product:
No data available

Components:
No data available

11.2 Other information

Product:
No data available
Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Product:
No data available

Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:

Toxicity to fish: LC50 (Danio rerio (zebra fish)): 22 - 50 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates: LC50 (Daphnia magna (Water flea)): 13,78 mg/l
Exposure time: 48 h
Remarks: The value is calculated
Toxicity to algae: EL50 (Desmodesmus subspicatus (green algae)): 12 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
Remarks: (ECHA)

Toxicity to microorganisms: IC50: > 1.000 mg/l
Method: OECD Test Guideline 209

EL50 (Desmodesmus subspicatus (green algae)): 12 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

2,3,4-Trihydroxybenzophenone:

Toxicity to fish: LC50 (Brachydanio rerio (zebrafish)): 14,8 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 42,6 mg/l
Exposure time: 48 h
Test Type: semi-static test
Method: OECD Test Guideline 202
Remarks: (ECHA)

Toxicity to algae: ErC50 (Desmodesmus subspicatus (green algae)): 5,88 mg/l
Exposure time: 72 h
Test Type: Growth rate
Analytical monitoring: yes
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 0,025 mg/l
Exposure time: 72 h
Test Type: Growth rate
Analytical monitoring: yes
Method: OECD Test Guideline 201

Toxicity to microorganisms: EC50 (Bacteria): 133 mg/l

M-Factor (Long-term (chronic) aquatic hazard): 1

2-Methoxypropyl acetate-1:
No data available

2-methoxy-1-methylethyl acetate:
Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 134 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
Remarks: (ECHA)
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

AZ 1518 Photoresist

Version: 2.0
Product number: 697312
Revision Date: 22.10.2018
Print Date: 23.10.2018

Toxicity to daphnia and other aquatic invertebrates:
- EC50 (Daphnia magna (Water flea)): 408 mg/l
- Exposure time: 48 h
- Test Type: static test
- Method: OECD Test Guideline 202
- Remarks: (ECHA)

Toxicity to algae:
- NOEC (Pseudokirchneriella subcapitata (green algae)): > 1.000 mg/l
- Exposure time: 96 h
- Test Type: static test
- Analytical monitoring: yes
- Method: OECD Test Guideline 201
- Remarks: (ECHA)

ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1.000 mg/l
- Exposure time: 96 h
- Test Type: static test
- Analytical monitoring: yes
- Method: OECD Test Guideline 201
- Remarks: (ECHA)

Toxicity to microorganisms:
- EC10 (activated sludge): > 1.000 mg/l
- Exposure time: 30 min
- Test Type: static test
- Method: OECD Test Guideline 209
- Remarks: (ECHA)

EC20 (activated sludge): > 1.000 mg/l
- Exposure time: 30 min
- Test Type: static test
- Method: OECD Test Guideline 209
- Remarks: (ECHA)

Toxicity to fish (Chronic toxicity):
- NOEC: 47,5 mg/l
- Exposure time: 14 d
- Species: Oryzias latipes (Orange-red killifish)
- Test Type: flow-through test
- Analytical monitoring: yes
- Method: OECD Test Guideline 204
- Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):
- NOEC: >= 100 mg/l
- Exposure time: 21 d
- Species: Daphnia magna (Water flea)
- Test Type: semi-static test
- Analytical monitoring: yes
- Method: OECD Test Guideline 211
- Remarks: (ECHA)

12.2 Persistence and degradability

Product:
No data available

The Safety Data Sheets for catalogue items are available at www.merck-performance-materials.com
Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Concentration: 1.716 mg/l
Result: Not readily biodegradable.
Biodegradation: 39 %
Exposure time: 28 d
Method: OECD Test Guideline 301D
Remarks: (ECHA)

2,3,4-Trihydroxybenzophenone:

Biodegradability : Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: 10 - 28 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

2-Methoxypropyl acetate-1:

No data available

2-methoxy-1-methylethyl acetate:

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Concentration: 76.4 mg/l
Result: Readily biodegradable.
Biodegradation: 83 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
Remarks: (ECHA)

Biochemical Oxygen Demand (BOD) : 330 mg/g
Incubation time: 5 d
Remarks: (IUCLID)

Chemical Oxygen Demand (COD) : 1.740 mg/g
Remarks: (IUCLID)

ThOD : 1.820 mg/g
Remarks: (IUCLID)

12.3 Bioaccumulative potential

Product: No data available

Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:

Partition coefficient: n- : log Pow: 3,2
octanol/water Method: (calculated)  
Remarks: EPI Suite™  
Bioaccumulation is not expected.

2,3,4-Trihydroxybenzophenone:
Partition coefficient: n-octanol/water : log Pow: 2.8 (23 °C)  
PH: 5.3  
Method: OECD Test Guideline 107  
Remarks: Bioaccumulation is not expected.

2-Methoxypropyl acetate-1:
Partition coefficient: n-octanol/water : log Pow: 0.5 (25 °C)  
Method: EPI Suite™  
Remarks: Bioaccumulation is not expected.  
(Lit.)

12.4 Mobility in soil

Product:
No data available

Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:
No data available

2,3,4-Trihydroxybenzophenone:
No data available

2-Methoxypropyl acetate-1:
No data available

2-methoxy-1-methylethyl acetate:
No data available

12.5 Results of PBT and vPvB assessment

Product:
Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:
No data available

2,3,4-Trihydroxybenzophenone:
No data available

2-Methoxypropyl acetate-1:
No data available

2-methoxy-1-methylethyl acetate:
Assessment: Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII..

12.6 Other adverse effects

Product:
Additional ecological information:
Discharge into the environment must be avoided.

Components:

1-Naphthalenesulfonic acid, 6-Diazo-5,6-dihydro-5-oxo-, ester with phenyl(2,3,4-trihydroxyphenyl)methanone:
No data available

2,3,4-Trihydroxybenzophenone:
No data available

2-Methoxypropyl acetate-1:
No data available

2-methoxy-1-methylethyl acetate:
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:
See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

SECTION 14: Transport information

Air transport (IATA)

14.1. UN/ID No.: UN 1993
14.2. Proper shipping name: Flammable liquid, n.o.s.
(2-Methoxy-1-methylethyl acetate)
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

AZ 1518 Photoresist

Version: 2.0
Revision Date: 22.10.2018
Print Date: 23.10.2018

Product number: 697312

14.3. Class : 3
14.4. Packing group : III
14.5 Environmentally hazardous : --
14.6 Special precautions for user : no

Sea transport (IMDG)

14.1. UN number : UN 1993
14.2. Proper shipping name : FLAMMABLE LIQUID, N.O.S.
(2-Methoxy-1-methylethyl acetate)
14.3. Class : 3
14.4. Packing group : III
14.5 Environmentally hazardous : --
14.6 Special precautions for user : yes
EmS Code : F-E, S-E

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant

Land transport (ADR/RID)

14.1. UN number : UN 1993
14.2. Proper shipping name : FLAMMABLE LIQUID, N.O.S.
(2-Methoxy-1-methylethyl acetate)
14.3. Class : 3
14.4. Packing group : III
14.5 Environmentally hazardous : --

SECTION 15: Regulatory information

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

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of
15.2 Chemical safety assessment
For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Training advice
Provide adequate information, instruction and training for operators.

Revision Note
Safety datasheet sections which have been updated: SECTION 2 (Classification and labeling)

Full text of H-Statements
H226 : Flammable liquid and vapour.
H228 : Flammable solid.
H242 : Heating may cause a fire.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H360D : May damage the unborn child.
H410 : Very toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

AZ 1518 Photoresist

Version: 2.0
Product number: 697312
Revision Date: 22.10.2018
Print Date: 23.10.2018

Disclaimer
The information contained herein is based on the present state of our knowledge. It characterises
the product with regard to the appropriate safety precautions. It does not represent a guarantee of
any properties of the product.

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of
Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response,
Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -
Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL -
Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS -
Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS -
Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -
Concentration associated with x% growth rate response; ERG - Emergency Response Guide;
GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous
Materials Identification System; IARC - International Agency for Research on Cancer; IATA -
International Air Transport Association; IBC - International Code for the Construction and
Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory
concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing
Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -
International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -
International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50
- Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test
population (Median Lethal Dose); MARPOL - International Convention for the Prevention of
Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise
Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect
Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect
Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals;
OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical
Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS
- Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure
Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation
(EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration,
Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-
Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization
Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic
Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations
Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very
Bioaccumulative