

# SAFETY DATA SHEET

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

Revision date: 7 Jan 2021

Print date: 14 Jan 2021

Version: 2.3

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## All-in-One Primer

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

#### 1.1 Product identifier

Trade name/designation:

All-in-One Primer

Other means of identification:

UFI: HN10-S0X4-N000-DUEJ

Article No.:

SP-0010, SP-1010

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

Use of the substance/mixture:

Coatings.

Restricted to professional users.

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

Manufacturer/Supplier:

ProGlass GmbH

Michael-Becker-Str. 2

73235 Weilheim an der Teck

GERMANY

Telephone: +49 7023 90013-0

Telefax: +49 7023 90013-23

E-mail: info@proglass.de

Website: www.proglass.de

E-mail (competent person): info@proglass.de

#### 1.4 Emergency phone number

24h: +49 551 19240

### 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
Flammable liquids ( <i>Flam. Liq. 2</i> )	H225: Highly flammable liquid and vapour.	Test data
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	Calculation
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	Calculation
Respiratory or skin sensitisation ( <i>Resp. Sens. 1</i> )	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Calculation

#### 2.2 Label elements

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

Hazard pictograms:



**GHS02**  
Flame



**GHS07**  
Exclamation mark



**GHS08**  
Health hazard

Signal word: Danger

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### Hazard components for labelling:

4,4'-Methylenediphenyl diisocyanate; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate; 2-Butanone (MEK); Phenol, 4-Isocyanato-,1,1',1''-Phosphorthionate, Reaktionsmass with 3-(Trimethoxysilyl)-N-[3-(trimethoxysilyl)propyl]-1-propanamine

#### Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

#### Hazard statements for health hazards

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H336 May cause drowsiness or dizziness.

#### Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Precautionary statements - Prevention

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves and eye/face protection.

#### Precautionary statements - Response

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

### 2.3 Other hazards

No data available.

## SECTION 3: Composition / information on ingredients

### 3.2 Mixtures

#### Ingredients:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 78-93-3 EC No.: 201-159-0 REACH No.: 01-2119457290-43	<b>2-Butanone (MEK)</b> Eye Irrit. 2, Flam. Liq. 2, STOT SE 3   <b>Danger</b> H225-H319-H336-EUH066	35 - 45 weight-%
CAS No.: 141-78-6 EC No.: 205-500-4 REACH No.: 01-2119475103-46	<b>ethyl acetate</b> Eye Irrit. 2, Flam. Liq. 2, STOT SE 3   <b>Danger</b> H225-H319-H336-EUH066	10 - 15 weight-%
CAS No.: 4435-53-4 EC No.: 224-644-9	<b>3-methoxybutyl acetate</b> The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	< 10 weight-%
CAS No.: 4151-51-3 EC No.: 223-981-9 REACH No.: 01-2119948848-16	<b>Tris(p-isocyanatophenyl) thiophosphate</b> Acute Tox. 4  <b>Warning</b> H302	< 10 weight-%
CAS No.: 108-65-6 EC No.: 203-603-9 REACH No.: 01-2119475791-29	<b>1-Methoxy-2-methylethylacetate</b> Flam. Liq. 3, STOT SE 3   <b>Warning</b> H226-H336	< 10 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
<b>CAS No.:</b> 950747-06-5 <b>EC No.:</b> 480-190-3 <b>REACH No.:</b> 01-0000020067-76	<b>Phenol, 4-Isocyanato-,1,1',1''-Phosphorthionate, Reaktionsmass with 3-(Trimethoxysilyl)-N-[3-(trimethoxysilyl)propyl]-1-propanamine</b> Aquatic Chronic 4, Resp. Sens. 1, Skin Sens. 1  <b>Danger</b> H317-H334-H413	1 - 5 weight-%
<b>CAS No.:</b> 123-86-4 <b>EC No.:</b> 204-658-1 <b>REACH No.:</b> 01-2119485493-29	<b>n-Butyl acetate</b> Flam. Liq. 3, STOT SE 3   <b>Warning</b> H226-H336	1 - 5 weight-%
<b>CAS No.:</b> 101-68-8 <b>EC No.:</b> 202-966-0 <b>REACH No.:</b> 01-2119457014-47	<b>4,4'-Methylenediphenyl diisocyanate</b> Acute Tox. 4, Carc. 2, Eye Irrit. 2, Resp. Sens. 1, STOT RE 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1   <b>Danger</b> H315-H317-H319-H332-H334-H335-H351-H373	0.1 - 1 weight-%
<b>CAS No.:</b> 4098-71-9 <b>EC No.:</b> 223-861-6 <b>REACH No.:</b> 01-2119490408-31	<b>3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate</b> Acute Tox. 3, Aquatic Chronic 2, Eye Irrit. 2, Resp. Sens. 1, STOT SE 3, Skin Irrit. 2, Skin Sens. 1    <b>Danger</b> H315-H317-H319-H331-H334-H335-H411	< 0.5 weight-%
<b>CAS No.:</b> 108-90-7 <b>EC No.:</b> 203-628-5	<b>Chlorobenzene</b> Acute Tox. 4, Aquatic Chronic 2, Flam. Liq. 3, Skin Irrit. 2    <b>Warning</b> H226-H315-H332-H411	< 0.5 weight-%

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). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air. Get medical advice/attention if you feel unwell.

#### In case of skin contact:

Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap. In case of skin irritation, consult a physician.

#### After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. If eye irritation persists: Get medical advice/attention.

#### Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell.

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

Allergic reactions, Dizziness, Causes eye irritation.

### 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:

Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>)

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

Highly flammable liquid and vapour.

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### Hazardous combustion products:

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

### 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4 Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. 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:

Remove persons to safety. Keep away from sources of ignition - No smoking. Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes.

##### Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

#### 6.1.2 For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

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

#### For containment:

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

Collect in closed and suitable containers for disposal. Disposal: see section 13.

#### For cleaning up:

Solvents/Thinner.

### 6.4 Reference to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

### 6.5 Additional information

Clear spills immediately.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8).

##### Fire prevent measures:

Highly flammable liquid and vapour. Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Take precautionary measures against static discharge.

##### Environmental precautions:

Discharge into the environment must be avoided.

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### Advices on general occupational hygiene

Wash hands before breaks and after work. When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels:

Material, solvent-resistant. Keep/Store only in original container.

#### Hints on storage assembly:

Keep away from combustible material. Do not store together with: Oxidizing agent

#### Further information on storage conditions:

Protect from sunlight. Store in a well-ventilated place.

### 7.3 Specific end use(s)

#### Recommendation:

Coatings.

Observe instructions for use.

## SECTION 8: Exposure controls / Personal protection

### 8.1 Control parameters

#### 8.1.1 Occupational exposure limit values

Limit value type (country)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	2-Butanone (MEK) CAS No.: 78-93-3	① 200 ppm (600 mg/m <sup>3</sup> ) ② 300 ppm (900 mg/m <sup>3</sup> )
WEL (GB)	2-Butanone (MEK) CAS No.: 78-93-3	① 200 ppm (600 mg/m <sup>3</sup> ) ② 300 ppm (899 mg/m <sup>3</sup> )
WEL (GB)	ethyl acetate CAS No.: 141-78-6	① 200 ppm (734 mg/m <sup>3</sup> ) ② 400 ppm (1,468 mg/m <sup>3</sup> )
IOELV (EU)	ethyl acetate CAS No.: 141-78-6	① 200 ppm (734 mg/m <sup>3</sup> ) ② 400 ppm (1,468 mg/m <sup>3</sup> )
IOELV (EU)	1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	① 50 ppm (275 mg/m <sup>3</sup> ) ② 100 ppm (550 mg/m <sup>3</sup> ) ⑤ (may be absorbed through the skin)
WEL (GB)	1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	① 50 ppm (274 mg/m <sup>3</sup> ) ② 100 ppm (548 mg/m <sup>3</sup> ) ⑤ (may be absorbed through the skin)
MEL/OES (GB)	n-Butyl acetate CAS No.: 123-86-4	① 150 ppm (724 mg/m <sup>3</sup> ) ② 200 ppm (966 mg/m <sup>3</sup> )
IOELV (EU)	n-Butyl acetate CAS No.: 123-86-4	① 50 ppm (241 mg/m <sup>3</sup> ) ② 150 ppm (723 mg/m <sup>3</sup> )
WEL (GB)	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9	① 0.02 mg/m <sup>3</sup> ② 0.07 mg/m <sup>3</sup>
WEL (GB)	Chlorobenzene CAS No.: 108-90-7	① 1 ppm (4.7 mg/m <sup>3</sup> ) ② 3 ppm (14 mg/m <sup>3</sup> ) ⑤ (may be absorbed through the skin)

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Limit value type (country)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	Chlorobenzene CAS No.: 108-90-7	① 5 ppm (23 mg/m <sup>3</sup> ) ② 15 ppm (70 mg/m <sup>3</sup> )

### 8.1.2 Biological limit values

Limit value type (country)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling ④ Remark
BMGV (GB)	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9	1 µmol/mol creatinine	① isocyanate-derived diamine ② urine ③ end of exposure or end of shift
BMV (GB)	Chlorobenzene CAS No.: 108-90-7	5 mmol/mol creatinine	① 4-Chlorocatechol ② urine ③ end of exposure or end of shift

### 8.1.3 DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route ③ Exposure time
2-Butanone (MEK) CAS No.: 78-93-3	600 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
2-Butanone (MEK) CAS No.: 78-93-3	1,161 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	275 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	153.5 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	0.05 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	0.0001 g/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, systemic effects
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	0.05 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	0.0001 g/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	50 mg/kg	① DNEL worker ② Acute - dermal, systemic effects ③ 24 h
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	28.7 mg/m <sup>3</sup>	① DNEL worker ② Acute - dermal, local effects

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Substance name	PNEC value	① PNEC type
2-Butanone (MEK) CAS No.: 78-93-3	55.8 mg/L	① PNEC aquatic, freshwater
2-Butanone (MEK) CAS No.: 78-93-3	55.8 mg/L	① PNEC aquatic, marine water
2-Butanone (MEK) CAS No.: 78-93-3	709 mg/L	① PNEC sewage treatment plant
2-Butanone (MEK) CAS No.: 78-93-3	284.74 mg/ kg bw/day	① PNEC sediment, freshwater
2-Butanone (MEK) CAS No.: 78-93-3	284.7 mg/kg bw/day	① PNEC sediment, marine water
2-Butanone (MEK) CAS No.: 78-93-3	1,000 mg/kg bw/day	① PNEC secondary poisoning
2-Butanone (MEK) CAS No.: 78-93-3	55.8 mg/L	① PNEC aquatic, intermittent release
2-Butanone (MEK) CAS No.: 78-93-3	22.5 mg/kg bw/day	① PNEC soil, freshwater
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	0.635 mg/L	① PNEC aquatic, freshwater
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	0.0635 mg/L	① PNEC aquatic, marine water
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	100 mg/L	① PNEC sewage treatment plant
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	3.29 mg/kg	① PNEC sediment, freshwater
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	0.329 mg/kg bw/day	① PNEC sediment, marine water
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	6.35 mg/L	① PNEC aquatic, intermittent release
1-Methoxy-2-methylethylacetate CAS No.: 108-65-6	0.29 mg/kg	① PNEC soil, freshwater
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	1 mg/L	① PNEC aquatic, freshwater
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	0.1 mg/L	① PNEC aquatic, marine water
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	1 mg/L	① PNEC sewage treatment plant
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	10 mg/L	① PNEC aquatic, intermittent release
4,4'-Methylenediphenyl diisocyanate CAS No.: 101-68-8	1 mg/kg	① PNEC soil, freshwater

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation as well as local exhaust at critical locations.

### 8.2.2 Personal protection equipment



#### Eye/face protection:

Eye glasses with side protection (EN 166).

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### Skin protection:

Tested protective gloves must be worn (EN ISO 374).

Suitable material: Butyl caoutchouc (butyl rubber)

Material thickness:  $\geq 0,5$  mm

Breakthrough time:  $\geq 60$  min

The statement is derived from the properties of the main components. The suitability of the glove material for the handling of the product has not been verified. 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. 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. Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. Recommendation: Draw up and observe skin protection programme.

### Respiratory protection:

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Suitable respiratory protection apparatus: Combination filtering device, Filtering device (full mask or mouthpiece) with filter: AP3

### Other protection measures:

Wear anti-static footwear and clothing

### 8.2.3 Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Physical state:** liquid

**Colour:** black

**Odour:** after Acetone

#### Safety relevant basic data

Parameter		at	Method	Remark
pH	9 - 9,5			
Melting point	-86 °C			
Freezing point	-86 °C			
Initial boiling point and boiling range	80 °C			2-Butanone (MEK)
Decomposition temperature	<i>not determined</i>			
Flash point	-10 °C		c.c.	estimated
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	1.8 - 11.5 Vol-%			2-Butanone (MEK)
Vapour pressure	12.6 hPa	50 °C		2-Butanone (MEK)
Vapour density	<i>not determined</i>			
Density	0.9 - 1 g/ml	20 °C		
Bulk density	<i>not applicable</i>			
Water solubility	easily soluble			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			
Solubility in different media				miscible with most organic solvents

### 9.2 Other information

No data available.



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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Highly flammable liquid and vapour.

#### 10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions. Vapours can form explosive mixtures with air. Possibility of hazardous reactions/Exothermic reaction with: Oxidising agent, Acids, Alkali (lye).

#### 10.4 Conditions to avoid

Keep away from heat.

#### 10.5 Incompatible materials

Oxidising agent, Reducing agent, Acids, Alkali (lye).

#### 10.6 Hazardous decomposition products

No known hazardous decomposition products. In case of fire may be liberated: carbon black, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Pyrolysis products, toxic.

#### Further information

No data available.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

CAS No.	Substance name	Toxicological information
108-65-6	1-Methoxy-2-methylethylacetate	<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Kanninchen) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 35.7 mg/L (Ratte)
123-86-4	n-Butyl acetate	<b>LD<sub>50</sub> oral:</b> 10,800 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> 17,600 mg/kg (Kaninchen) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 1.85 mg/L 4 h (Ratte)
101-68-8	4,4'-Methylenediphenyl diisocyanate	<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 0.368 mg/L 4 h (Rat)
78-93-3	2-Butanone (MEK)	<b>LD<sub>50</sub> oral:</b> >2,193 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Kaninchen)

#### Acute oral toxicity:

No data available.

#### Acute dermal toxicity:

No data available.

#### Acute inhalation toxicity:

No data available.

#### Skin corrosion/irritation:

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

May cause skin irritation.

#### Serious eye damage/irritation:

Causes serious eye irritation.

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### Respiratory or skin sensitisation:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

### 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:

May cause drowsiness or dizziness.

### 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

#### Aquatic toxicity:

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

#### Assessment/classification:

No data available.

### 12.2 Persistence and degradability

#### Biodegradation:

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Waste treatment options

##### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.

##### Other disposal recommendations:

The allocation of waste code numbers / waste names must be carried out in accordance with the European Waste Catalogue (EWC). Collect in closed and suitable containers for disposal. Do not allow to enter into surface water or drains.

### 13.2 Additional information

Waste for disposal is to be classified and labelled.

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### SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
<b>14.1 UN-No.</b>			
1139	1139	1139	1139
<b>14.2 UN proper shipping name</b>			
Coating solution	Coating solution	Coating solution	Coating solution
<b>14.3 Transport hazard class(es)</b>			
 3	 3	 3	 3
<b>14.4 Packing group</b>			
II	II	II	II
<b>14.5 Environmental hazards</b>			
No	No	No	No
<b>14.6 Special precautions for user</b>			
No data available.			

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not determined

#### Additional information:

Transport as "Limited Quantity" according to chapter 3.4 ADR/RID

### SECTION 15: Regulatory information

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

##### 15.1.1 EU legislation

##### Other EU regulations:

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

##### 15.1.2 National regulations

No data available.

#### 15.2 Chemical Safety Assessment

No data available.

### SECTION 16: Other information

#### 16.1 Indication of changes

Changes executed in version 2:

Section 2, 3, 9, 11, 14: classification/Label elements

General revision

Changes executed in version 2.1:

General revision

Changes executed in version 2.3:

Section 1: UFI

General revision

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### 16.2 Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

### 16.3 Key literature references and sources for data

European Chemicals Agency (ECHA): <http://www.echa.europa.eu>

ECHA, C&L Inventory: <http://echa.europa.eu/information-on-chemicals/cl-inventory-database>

ECHA, Registered substances: <http://echa.europa.eu/information-on-chemicals/registered-substances>

GESTIS (Gefahrstoffinformationssystem der DGUV): <http://www.dguv.de/ifa/GESTIS/index.jsp>

Hörath Gefährliche Stoffe und Gemische, 8. Auflage, Dr. Angela Schulz

Safety data sheets of the manufacturers

### 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
Flammable liquids ( <i>Flam. Liq. 2</i> )	H225: Highly flammable liquid and vapour.	Test data
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	Calculation
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	Calculation
Respiratory or skin sensitisation ( <i>Resp. Sens. 1</i> )	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Calculation

### 16.5 Relevant H- and EUH-phrases

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

#### Supplemental hazard information

EUH066	Repeated exposure may cause skin dryness or cracking.
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### 16.6 Training advice

No data available.

### 16.7 Additional information

The information in this safety data sheet has been established to our best knowledge and was up-to-date at time of revision. The information is intended to give you advice about the safe handling of the product for storage, processing, transport and disposal. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.