SAFETY DATA SHEET

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

1.1. Product identifier

Identification of the substance/preparation
Propionaldehyde
CAS-No
123-38-6
EC No.
204-623-0

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

Use of the Substance / Preparation
Intermediate.
Uses advised against
None

1.3. Details of the supplier of the safety data sheet

Company/Undertaking
OQ Chemicals GmbH
Rheinpromenade 4A
D-40789 Monheim
Germany

OQ Chemicals Corporation
15375 Memorial Drive
West Memorial Place I
Suite 300
Houston, TX 77079
USA

Product Information
Product Stewardship
FAX: +49 (0)208 693 2053
email: sc.psq@oq.com

1.4. Emergency telephone number

Emergency telephone number
+44 (0) 1235 239 670 (UK) available 24/7
NCEC +1 202 464 2554

Local emergency telephone number
+61 2 8014 4558 (Australia)
18000 74234 (Australia toll-free number)
+64 9 929 1483 (New Zealand)
0800 446 881 (New Zealand toll-free number)
+65 3158 1195 (Sri Lanka)
007 803 011 0293 (Indonesia toll-free number)
+60 3 6207 4347 (Malaysia)
001 800 120 666 751 (Thailand toll-free number)
+65 3158 1200 (Bangladesh)
+63 2 8231 2149 (Philippines)
+84 28 4458 2388 (Vietnam)
 SECTION 2: Hazards identification

Europe

2.1. Classification of the substance or mixture

This substance is classified based on Directive 1272/2008/EC and its amendments (CLP Regulation)

- Flammable liquid  Category 2, H225
- Acute oral toxicity  Category 4, H302
- Acute inhalation toxicity  Category 4, H332
- Skin corrosion/irritation  Category 2, H315
- Serious eye damage/eye irritation  Category 2, H319
- Target Organ Systemic Toxicant - Single exposure  Category 3, H335

In addition to the CLP classification based on OQ data this product should also be regarded as:
- Serious eye damage/eye irritation: category 1

Additional information
For full text of Hazard- and EU Hazard-statements see SECTION 16.

2.2. Label elements

Labelling according to Regulation 1272/2008/EC and its amendments (CLP Regulation).

Hazard pictograms

Signal word

Danger

Hazard statements

- H225: Highly flammable liquid and vapour.
- H302: Harmful if swallowed.
- H332: Harmful if inhaled.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

Precautionary statements

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P261: Avoid breathing gas/mist/vapours.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P330: IF SWALLOWED: Rinse mouth
- P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all
contaminated clothing. Rinse skin with water or shower.
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.
P312: Call a POISON CENTRE/doctor if you feel unwell.
P403 + P235: Store in a well ventilated place. Keep cool.

2.3. Other hazards
Vapours may form explosive mixture with air
Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback
Components of the product may be absorbed into the body by inhalation and ingestion

PBT and vPvB assessment Not required

USA

2.1. Classification of the substance or mixture
This substance is classified in accordance with paragraph (d) of §1910.1200 (GHS-US classification).

Acute oral toxicity Category 4, H302
Acute inhalation toxicity Category 4, H332
Skin corrosion/irritation Category 2, H315
Serious eye damage/eye irritation Category 1, H318
Target Organ Systemic Toxicant - Single exposure Category 3, H335
Flammable liquid Category 2, H225
Environmental hazard Aquatic Acute 3; H402

OSHA Specified Hazards Not applicable.

2.2. Label elements
Labeling according to §1910.1200 (GHS-US labeling).

Hazard symbol(s)

Signal word Danger

Hazard statements

H225: Highly flammable liquid and vapor.
H302: Harmful if swallowed.
H332: Harmful if inhaled.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H402: Harmful to aquatic life
Precautionary statements

Prevention

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P261: Avoid breathing gas/mist/vapours.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection/face protection.

Response

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
P310: Immediately call a POISON CENTER/doctor.
P362 + P364: Take off contaminated clothing and wash it before reuse.

Storage

P403 + P235: Store in a well ventilated place. Keep cool.
P405: Store locked up.

Disposal

P501: Dispose of contents/container in accordance with local regulation.

2.3. Other hazards

Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback.
Vapours may form explosive mixture with air.
Components of the product may be absorbed into the body by inhalation and ingestion.

SECTION 3: Composition / information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>REAh-No</th>
<th>1272/2008/EC</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propionaldehyde</td>
<td>123-38-6</td>
<td>01-2119456625-33</td>
<td>Flam. Liq. 2; H225 + Acute Tox. 4; H302 + Acute Tox. 4; H332 + Skin Irrit. 2; H315 + Eye Irrit. 2; H319 + STOT SE 3; H335</td>
<td>&gt; 97,0</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures
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4.1. Description of first aid measures

Inhalation
Keep at rest. Aerate with fresh air. When symptoms persist or in all cases of doubt seek medical advice.

Eyes
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Obtain medical attention.

Skin
Wash off immediately with soap and plenty of water. When symptoms persist or in all cases of doubt seek medical advice.

Ingestion
Do not induce vomiting without medical advice. Call a physician immediately.

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

Main symptoms
shortness of breath, cough, central nervous system depression, hypertensive effect, narcosis, headache, nausea, vomiting, unconsciousness.

Special hazard
Lung oedema, Lung irritation, Kidney disorders, Liver disorders.

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

General advice
Remove contaminated, soaked clothing immediately and dispose of safely. First aider needs to protect himself.

Treat symptomatically. In case of lung irritation, first treatment with cortisone spray.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
alcohol-resistant foam, dry chemical, carbon dioxide (CO2), water spray

Unsuitable Extinguishing Media
Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Under conditions giving incomplete combustion, hazardous gases produced may consist of:
carbon monoxide (CO)
carbon dioxide (CO2)
Combustion gases of organic materials must in principle be graded as inhalation poisons
Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback
Vapours may form explosive mixture with air

5.3. Advice for firefighters

Special protective equipment for firefighters
Firefighter protection should include a self-contained breathing apparatus (NIOSH-approved or EN 133) and full
fire-fighting turn out gear.

**Precautions for firefighting**
Cool containers / tanks with water spray. Water run-off and vapor cloud may be corrosive. Dike and collect water used to fight fire. Keep people away from and upwind of fire.

### SECTION 6: Accidental release measures

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

For non-emergency personnel: For personal protective equipment see section 8. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition.

For emergency responders: Personal protection see section 8.

#### 6.2. Environmental precautions

Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).

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

**Methods for containment**
Stop the flow of material, if possible without risk. Dike spilled material, where this is possible.

**Methods for cleaning up**
Soak up with inert absorbent material. DO NOT use combustible materials such as sawdust. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

#### 6.4. Reference to other sections

For personal protective equipment see section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Advice on safe handling**
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Provide sufficient air exchange and/or exhaust in work rooms. Refill and handle product only in closed system. Do not use compressed air for filling, discharging or handling.

**Hygiene measures**
When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

**Advice on the protection of the environment**
See Section 8: Environmental exposure controls.

**Incompatible products**
- acids and bases
- amines
- oxidizing agents
7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material. Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback. Vapours may form explosive mixture with air. The pressure in sealed containers can increase under the influence of heat.

Technical measures/Storage conditions
Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care. Handle under nitrogen, protect from moisture. Keep at temperatures between 9 and 38 °C (48 and 100 °F).

Temperatures class
T4

7.3. Specific end use(s)
Transported isolated intermediate (1907/2006)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Exposure limits European Union
No exposure limits established

Exposure limits Germany
No exposure limits established.

Exposure limits United States of America

<table>
<thead>
<tr>
<th>US ACGIH</th>
<th>TWA (mg/m³)</th>
<th>TWA (ppm)</th>
<th>STEL (mg/m³)</th>
<th>STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propionaldehyde</td>
<td></td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS: 123-38-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note
For details and further information please refer to the original regulation.

8.2. Exposure controls

Appropriate Engineering controls
General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

Personal protective equipment

General industrial hygiene practice
Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure that eyewash stations and safety showers are close to the workstation location.

**Hygiene measures**
When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

**Eye protection**
Tightly fitting safety goggles. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face.

**Hand protection**
Wear protective gloves. Recommendations are listed below. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be based on protection for all chemicals present.

<table>
<thead>
<tr>
<th>Suitable material</th>
<th>butyl-rubber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation</td>
<td>according to EN 374: level 5</td>
</tr>
<tr>
<td>Glove thickness</td>
<td>approx 0.3 mm</td>
</tr>
<tr>
<td>Break through time</td>
<td>approx 240 min</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Suitable material</th>
<th>polyvinylchloride</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation</td>
<td>Information derived from practical experience</td>
</tr>
<tr>
<td>Glove thickness</td>
<td>approx 0.8 mm</td>
</tr>
</tbody>
</table>

**Skin and body protection**
Impervious clothing. Wear face-shield and protective suit for abnormal processing problems.

**Respiratory protection**
Respirator with filter for organic vapour. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Equipment should conform to NIOSH, EN or other applicable national standards.

**Environmental exposure controls**
If possible use in closed systems. If leakage can not be prevented, the substance needs to be suck off at the emersion point, if possible without danger. Observe the exposure limits, clean exhaust air if needed. If recycling is not practicable, dispose of in compliance with local regulations. Inform the responsible authorities in case of leakage into the atmosphere, or of entry into waterways, soil or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>pungent</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>1 ppm</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>-81 °C</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>47.6 °C @ 1013 hPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>-30 °C</td>
</tr>
<tr>
<td>Method</td>
<td>closed cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Does not apply, the substance is a liquid</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>2.6 Vol %</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>17 Vol %</td>
</tr>
</tbody>
</table>
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Vapour pressure

<table>
<thead>
<tr>
<th>Values [hPa]</th>
<th>Values [kPa]</th>
<th>Values [atm]</th>
<th>@ °C</th>
<th>@ °F</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>364</td>
<td>36.4</td>
<td>0.359</td>
<td>20</td>
<td>68</td>
<td></td>
</tr>
<tr>
<td>1096</td>
<td>109.6</td>
<td>1.08</td>
<td>50</td>
<td>122</td>
<td></td>
</tr>
</tbody>
</table>

Vapour density 1.8  (Air = 1) @ 37.8  °C (100 °F)

Relative density

<table>
<thead>
<tr>
<th>Values</th>
<th>@ °C</th>
<th>@ °F</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7969</td>
<td>20</td>
<td>68</td>
<td>DIN 51757</td>
</tr>
</tbody>
</table>

Solubility 306  g/l @ 25 °C, in water

log Pow 0.59 (calculated; Leo-Hansch)

Autoignition temperature 195 °C

Method DIN 51794

Decomposition temperature No data available

Viscosity 0.43 mm²/s @ 20°C

Method kinematic, OECD 114

Oxidizing properties Does not apply, substance is not oxidising. There are no chemical groups associated with oxidizing properties

Explosive properties Does not apply, substance is not explosive. There are no chemical groups associated with explosive properties

9.2. Other information

Molecular weight 58.08
Molecular formula C₃H₆O
Refractive index 1.362 @ 20 °C

SECTION 10: Stability and Reactivity

10.1. Reactivity

The reactivity of the product corresponds to the typical reactivity shown by the substance group as described in any text book on organic chemistry.

10.2. Chemical stability

Stable under recommended storage conditions. Stable up to approximately 48 °C.

10.3. Possibility of hazardous reactions

Hazardous polymerisation may occur. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers. May form explosive peroxides. When finely distributed, self-ignition is possible. Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Avoid contact with heat, sparks, open flame and static discharge. Avoid any source of ignition.

10.5. Incompatible materials

bases, amines, acids, oxidizing agents.

10.6. Hazardous decomposition products
No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure: Ingestion, Inhalation, Eye contact, Skin contact

### Acute toxicity

<table>
<thead>
<tr>
<th>Propionaldehyde (123-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Routes of Exposure</td>
</tr>
<tr>
<td>--------------------</td>
</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Inhalative</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
</tbody>
</table>

Propionaldehyde, CAS: 123-38-6

Assessment
The available data lead to the classification given in section 2

### Irritation and corrosion

<table>
<thead>
<tr>
<th>Propionaldehyde (123-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Organ Effects</td>
</tr>
<tr>
<td>------------------------</td>
</tr>
<tr>
<td>Skin</td>
</tr>
<tr>
<td>Eyes</td>
</tr>
</tbody>
</table>

Propionaldehyde, CAS: 123-38-6

Assessment
The available data lead to the classification given in section 2
For respiratory irritation, no data are available

### Sensitization

<table>
<thead>
<tr>
<th>Propionaldehyde (123-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Organ Effects</td>
</tr>
<tr>
<td>------------------------</td>
</tr>
<tr>
<td>Skin</td>
</tr>
<tr>
<td>Skin</td>
</tr>
</tbody>
</table>

Propionaldehyde, CAS: 123-38-6

Assessment
Based on available data, the classification criteria are not met for:
Skin sensitization
For respiratory sensitization, no data are available

### Subacute, subchronic and prolonged toxicity

<table>
<thead>
<tr>
<th>Propionaldehyde (123-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>Subchronic toxicity</td>
</tr>
</tbody>
</table>

Propionaldehyde, CAS: 123-38-6

Assessment
Based on available data, the classification criteria are not met for:
STOT RE
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SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Species</th>
<th>Exposure time</th>
<th>Dose</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daphnia magna (Water flea)</td>
<td>48h</td>
<td>EC50: 88.7 mg/l</td>
<td>84/449/EEC C.2</td>
</tr>
<tr>
<td>Pimephales promelas (fathead minnow)</td>
<td>96h</td>
<td>EC50: 14 mg/l</td>
<td></td>
</tr>
<tr>
<td>Desmodesmus subspicatus</td>
<td>72h</td>
<td>EC50: 260 mg/l (Growth rate)</td>
<td>DIN 38412, part 9</td>
</tr>
<tr>
<td>Pseudomonas putida</td>
<td>14 h</td>
<td>TTC: 124 mg/l</td>
<td>DIN 38412, part 8</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
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12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Propionaldehyde (123-38-6)</th>
<th>Type</th>
<th>Result</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>log Pow</td>
<td>0.59</td>
<td>calculated, Leo-Hansch</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Propionaldehyde (123-38-6)</th>
<th>Type</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>no data available</td>
</tr>
</tbody>
</table>

12.5. Results of PBT and vPvB assessment

Propionaldehyde, CAS: 123-38-6
PBT and vPvB assessment
Not required

12.6. Other adverse effects

Propionaldehyde, CAS: 123-38-6
No data available

Note
Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product Information
Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal.
Hazardous waste according to European Waste Catalogue (EWC)

Uncleaned empty packaging
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

ICAO-TI / IATA-DGR
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UN number 1275
UN proper shipping name Propionaldehyde
Transport hazard class(es) 3
Packing group II
Environmental hazards no
Special precautions for user no data available

IMDG

UN number 1275
UN proper shipping name Propionaldehyde
Transport hazard class(es) 3
Packing group II
Environmental hazards no
Special precautions for user F-E, S-D

Transport in bulk according to Annex II of MARPOL and the IBC Code
Product name Propionaldehyde
Ship type 3
Pollution category Y

ADR/RID

UN number 1275
UN proper shipping name Propionaldehyde
Transport hazard class(es) 3
Packing group II
Environmental hazards no
Special precautions for user
ADR Tunnel restriction code (D/E)
Classification Code F1
Hazard Number 33

SECTION 15: Regulatory information

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

Regulation 1272/2008, Annex VI

Propionaldehyde, CAS: 123-38-6
Classification Flam. Liq. 2; H225
Eye Irrit. 2; H319
STOT SE 3; H335
Skin Irrit. 2; H315
Hazard pictograms GHS02 Flame
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Signal word
GHS07 Exclamation mark

Hazard statements
Danger

H225, H319, H335, H315

DI 2012/18/EU (Seveso III)
Category
Annex I, part 1:
P5a - c; depending on conditions

DI 1999/13/EC (VOC Guideline)

<table>
<thead>
<tr>
<th>Component</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propionaldehyde</td>
<td>regulated</td>
</tr>
<tr>
<td>CAS: 123-38-6</td>
<td></td>
</tr>
</tbody>
</table>

International Inventories

Propionaldehyde, CAS: 123-38-6
AICS (AU)
DSL (CA)
IECSC (CN)
EC-No. 2046230 (EU)
ENCS (2)-486 (JP)
ISHL (2)-486 (JP)
KECI KE-29254 (KR)
INSO (MX)
PICCS (PH)
TSCA (US)
NZIoC (NZ)
TCSI (TW)

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3
H225: Highly flammable liquid and vapour.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

Abbreviations
A table of terms and abbreviations can be found under the following link:

Training advice
For effective first-aid, special training / education is needed.

Sources of key data used to compile the datasheet
Information contained in this safety data sheet is based on OQ owned data and public sources deemed valid or acceptable. The absence of data elements required by OSHA, ANSI or Annex II, Regulation 1907/2006/EC indicates, that no data meeting these requirements is available.

Further information for the safety data sheet
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Propionaldehyde
10640

Changes against the previous version are marked by ***. Observe national and local legal requirements. For more information, other material safety data sheets or technical data sheets please consult the OQ homepage (www.chemicals.oq.com).
The annex is not required because the substance is registered as an intermediate under REACH

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End of Safety Data Sheet