SAFETY DATA SHEET

Propionaldehyde special quality (EU)
11262

SECTION 1: Identification

1.1. Product identifier

Identification of the substance/preparation

Propionaldehyde special quality (EU)

CAS-No

123-38-6

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

Supplier

OQ Chemicals Corporation
15375 Memorial Drive
West Memorial Place I
Suite 300
Houston, TX 77079
USA
Phone +1 346 378 7300

Product Information

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

1.4. Emergency telephone number

Emergency telephone number

NCEC +1 202 464 2554
available 24/7

SECTION 2: Hazards identification

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
SAFETY DATA SHEET

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Propionaldehyde special quality (EU)
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OSHA Specified Hazards
Not applicable.

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

Signal word
Danger

Hazard statements
H225: Highly flammable liquid and vapor.
H302 + H332: Harmful if swallowed or 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>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propionaldehyde</td>
<td>123-38-6</td>
<td>&gt; 97,5</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

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.

Skin
Wash off immediately with soap and plenty of water. 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.

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.
SAFETY DATA SHEET

Propionaldehyde special quality (EU)
11262

Version / Revision 5

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
Fire fighter 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
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).
SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Exposure limits United States of America

<table>
<thead>
<tr>
<th>Component</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>
</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.

Individual protection measures, such as 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>
<tr>
<td>Suitable material</td>
<td>polyvinylchloride</td>
</tr>
</tbody>
</table>
Evaluation
Information derived from practical experience
Glove thickness
approx 0.8 mm

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.

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>-114 °F (-81 °C)</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>118 °F (47.6 °C) @ 1 atm (101.3 kPa)</td>
</tr>
<tr>
<td>Flash point</td>
<td>-22 °F (-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>

<table>
<thead>
<tr>
<th>Vapour pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Values [hPa]</td>
</tr>
<tr>
<td>Values [kPa]</td>
</tr>
<tr>
<td>Values [atm]</td>
</tr>
<tr>
<td>@ °C</td>
</tr>
<tr>
<td>@ °F</td>
</tr>
<tr>
<td>Method</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vapour density</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapour density</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Relative density</th>
</tr>
</thead>
<tbody>
<tr>
<td>Values @ °C</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Method</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solubility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water solubility</td>
</tr>
<tr>
<td>log Pow</td>
</tr>
<tr>
<td>Autoignition temperature</td>
</tr>
<tr>
<td>Method</td>
</tr>
</tbody>
</table>

| Decomposition temperature    | No data available |
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

Propionaldehyde, CAS: 123-38-6
Main symptoms
shortness of breath, cough, central nervous system depression, hypertensive effect, narcosis, headache, nausea, vomiting, unconsciousness.

Target Organ Systemic Toxicant - Single exposure
The available data lead to the classification given in section 2

Target Organ Systemic Toxicant - Repeated exposure
Based on available data, the classification criteria are not met for:
STOT RE

Acute toxicity
Propionaldehyde (123-38-6)

<table>
<thead>
<tr>
<th>Routes of Exposure</th>
<th>Endpoint</th>
<th>Values</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>1690 mg/kg</td>
<td>rat, female</td>
<td>OECD 401</td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC50</td>
<td>&gt; 4,6 mg/l (4h)</td>
<td>rat, male/female</td>
<td>OECD 403</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>2460 mg/kg</td>
<td>rabbit</td>
<td>OECD 402</td>
</tr>
</tbody>
</table>

Propionaldehyde, CAS: 123-38-6
Assessment
The available data lead to the classification given in section 2

Irritation and corrosion
Propionaldehyde (123-38-6)

<table>
<thead>
<tr>
<th>Target Organ Effects</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>rabbit</td>
<td>irritating</td>
<td>OECD 404</td>
</tr>
<tr>
<td>Eyes</td>
<td>rabbit</td>
<td>severe irritation</td>
<td>OECD 405</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
Propionaldehyde (123-38-6)

<table>
<thead>
<tr>
<th>Target Organ Effects</th>
<th>Species</th>
<th>Evaluation</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>guinea pig</td>
<td>not sensitizing</td>
<td>OECD 406</td>
</tr>
<tr>
<td>Skin</td>
<td>mouse</td>
<td>not sensitizing</td>
<td>OECD 429</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
Propionaldehyde (123-38-6)

<table>
<thead>
<tr>
<th>Type</th>
<th>Dose</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subchronic toxicity</td>
<td>NOAEC: 362 mg/m³ (49 d)</td>
<td>rat, male/female</td>
<td>OECD 422</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Propionaldehyde special quality (EU)
11262

Propionaldehyde, CAS: 123-38-6
Assessment
Based on available data, the classification criteria are not met for:
STOT RE

Carcinogenicity, Mutagenicity, Reproductive toxicity

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

Propionaldehyde, CAS: 123-38-6
CMR Classification
The available data on CMR properties are summarized in the table above. They do not indicate a classification into categories 1A or 1B

Propionaldehyde, CAS: 123-38-6
Other adverse effects
Components of the product may be absorbed into the body by inhalation and ingestion.

Note
Handle in accordance with good industrial hygiene and safety practice. Further details on substance data can be found in the registration dossier under the following link:

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

<table>
<thead>
<tr>
<th>Propionaldehyde (123-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Species</strong></td>
</tr>
<tr>
<td>Daphnia magna (Water flea)</td>
</tr>
<tr>
<td>Pimephales promelas (fathead minnow)</td>
</tr>
<tr>
<td>Desmodesmus subspicatus</td>
</tr>
<tr>
<td>Pseudomonas putida</td>
</tr>
</tbody>
</table>

Emergency telephone number
NCEC +1 202 464 2554
USA (A-US)
12.2. Persistence and degradability

Propionaldehyde, CAS: 123-38-6  
Biodegradation  
91 - 97 % (28 d), activated sludge, aerobic, OECD 301 C.

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Type</th>
<th>Result</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<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>Type</th>
<th>Result</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>no data available</td>
<td></td>
<td></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

<table>
<thead>
<tr>
<th>Type</th>
<th>Result</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propionaldehyde, CAS: 123-38-6</td>
<td>no data available</td>
<td></td>
</tr>
</tbody>
</table>

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.

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

D.O.T. (49CFR)

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
14.5. Environmental hazards
14.6. Special precautions for user

UN 1275
Propionaldehyde
3
II
no
Reportable Quantity (RQ)
Emergency Response Guide
1000 lb/ 454 kg (Propionaldehyde)
129

ICAO-TI / IATA-DGR

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
14.5. Environmental hazards
14.6. Special precautions for user

UN 1275
Propionaldehyde
3
II
no
no data available

IMDG

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
14.5. Environmental hazards
14.6. Special precautions for user
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

UN 1275
Propionaldehyde
3
II
no
F-E, S-D
Propionaldehyde
3
Y

SECTION 15: Regulatory information

Emergency telephone number
NCEC +1 202 464 2554
12 / 14
USA (A-US)
SAFETY DATA SHEET

Federal and State Regulations
Components of the product are listed in the quoted regulations. For details please refer to the regulations directly. This list is not exhaustive, please check for other applicable regulations.

Federal Regulations
This product is listed on the TSCA inventory

Section 313 Supplier Notification
This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propionaldehyde</td>
<td>123-38-6</td>
<td>&gt; 97,5</td>
</tr>
</tbody>
</table>

This information must be included in all SDSs that are copied and distributed for this material.

Propionaldehyde, CAS: 123-38-6
40CFR 63.100-.106, Table 2
40CFR 63.100-.106, Table 1: Group IV
CERCLA Hazardous Substance
  CERCLA RQ 1000 LBS
EPCRA SARA Title III 313
de minimis concentration 1.0 %

State Regulations

Propionaldehyde, CAS: 123-38-6
  IL Chemical Safety Act
  MA Hazardous Substances List
  MA RTK List
  NJ RTK List
  NY RTK List
  PA RTK List
  RI RTK List

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)
  INSQ (MX)
  PICCS (PH)
  TSCA (US)
  NZIoC (NZ)

Emergency telephone number
NCEC +1 202 464 2554
USA (A-US)
SECTION 16: Other information

Revision Date 08-May-2020
Issuing date 15-May-2020

Hazard Rating Systems

NFPA (National Fire Protection Association)
Health Hazard 2
Fire Hazard 3
Reactivity 2

HMIS (Hazardous Material Information System)
Health Hazard 2
Flammability 3
Physical Hazard 2

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
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 use of a comma in section 3 and section 7 to 12 is the same as a period.

Disclaimer
For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. OQ makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards.

End of Safety Data Sheet