

## SAFETY DATA SHEET CARBION LIQUIDE

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

Product name: Carbion liquide

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

Industry, wine and food

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

Company details: Institut Œnologique de Champagne  
Z.I. de Mardeuil – Allée de Cumières – BP 25  
51201 EPERNAY Cedex  
FRANCE  
Tel: + 33 (0) 3.26.51.96.00.  
Fax: + 33 (0) 3.26.51.02.20.  
[fds@ioc.eu.com](mailto:fds@ioc.eu.com)

#### 1.4. Emergency telephone number

112

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

#### 2.2. Label elements

This substance does not require a label.

#### 2.3. Other hazards

Potential health effects : dehydrating/desiccant effect.

Environmental Effects : in its normal state, this product does not present any specific risk for the environment.

Physical and chemical hazards : combustible product.

Other : results of PBT and vPvB assessment : Not relevant inorganic

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Chemical name: Carbon

CAS RN: 7440-44-0

EC N°: 231-153-3

Concentration:> 95%

#### 3.2. Mixtures

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

General advice : remove soiled/dirty clothing, brush well and wash carefully.

Inhalation : move patient from contaminated area to fresh air. Blow nose. In case of persistent problems : Consult a physician. If dust inhalation is severe : move operator to fresh air, wash mouth and throat with plenty of water.

Skin contact : Wash immediately, abundantly and thoroughly with soap and water.

Eye contact : Wash immediately, abundantly and thoroughly with water. If irritation persists, consult an ophthalmologist.

Ingestion : In case of problems : Consult a doctor.

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

No data available

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

No data available

### SECTION 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media: Foam, Carbon dioxide (CO<sub>2</sub>), Water spray jet, water fog

Unsuitable extinguishing media: none

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

Carbon oxides, Burns slowly without a flame if the product is bulked., Rapid combustion with liquid oxygen, ozone and powerful oxidants.

#### 5.3. Advice for firefighters

Special protective actions for fire-fighters: in the event of fire, wear self-contained breathing apparatus.

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Avoid breathing dust. Avoid contact with skin and eyes. Do not crush, avoid the formation and spread of dust in the air.

##### 6.2. Environmental precautions

Prevent product from entering drains.

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

Methods for cleaning up: pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Flush away traces with water.

Elimination: See chapter 13

##### 6.4. Reference to other sections

None.

#### SECTION 7. HANDLING AND STORAGE

##### 7.1. Precautions for safe handling

Safe handling advice: smoking, eating and drinking should be prohibited in the application area. Avoid dust formation. Do not enter confined spaces unless adequately ventilated; product absorbs oxygen from air, reducing oxygen available for breathing.

Hygiene measures: Avoid breathing dust. See heading 4. Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

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

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and flame. Keep from contact with strong oxidizing agents, strong acids.

Packaging material: recommended : jar.

##### 7.3. Specific end use(s)

None.

#### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

##### 8.1. Control parameters

###### Exposure Limit Values (dust)

Source / Date / Value type / Value (ppm) / Value (mg/m<sup>3</sup>) / Remarks

EH40 WEL / 12 2011 / TWA / - / 10 / Inhalable dust.

EH40 WEL / 12 2011 / TWA / - / 4 / Respirable dust.

ACGIH (US) / 02 2012 / TWA / - / 10 / Inhalable particles.

ACGIH (US) / 02 2012 / TWA / - / 3 / Respirable particles.

###### Exposure Limit Values: Carbon

Source / Date / Value type / Value (ppm) / Value (mg/m<sup>3</sup>) / Remarks

EH40 WEL / 12 2011 / TWA / - / 10 / Inhalable dust.

EH40 WEL / 12 2011 / TWA / - / 4 / Respirable dust.

ACGIH (US) / 02 2012 / TWA / - / 2 / Respirable fraction.

###### Derived No Effect Level (DNEL):

End Use / Inhalation / Ingestion / Skin contact

Workers / 3 mg/m<sup>3</sup> (LE, LT) / - / -

Consumers / 0,5 mg/m<sup>3</sup> (LE, LT) / - / -

LE : Local effects, SE : Systemic effects, LT : Long term, ST : Short term

Predicted No Effect Concentration: not relevant

##### 8.2. Exposure controls

###### General protection measures:

Provide sufficient air exchange and/or exhaust in work rooms.

###### Personal protective equipment:

Respiratory protection: Half mask with particulate filter P2 (European Standard 143)

Hand protection: Gloves

Eye / face protection: Safety glasses, Eye wash bottle with pure water

Skin and body protection: Protective suit

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

###### Appearance:

Physical state (20°C): liquid

Form : liquid

Colour : black

Odour: None.

Olfactory threshold: Not relevant

pH: no data available.

Melting point/range: no data available

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Boiling point/boiling range : no data available  
Flash point : not applicable  
Evaporation rate : not relevant  
Flammability (solid, gas) : flammability : not flammable product  
Vapour pressure : not applicable  
Vapour density : not relevant  
Relative density : no data available.  
Bulk density : no data available.  
Water solubility : insoluble.  
Partition coefficient : no data available.  
Auto-ignition temperature : no data available.  
Decomposition temperature : not relevant.  
Viscosity, dynamic : not applicable.  
Explosive properties : no data available  
Oxidizing properties : The substance or mixture is not classified as oxidizing.

### 9.2. Other information

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

Rapid combustion with liquid oxygen, ozone and powerful oxidants.

### 10.4. Conditions to avoid

Store in a dry place (to preserve the technical qualities of the product)

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

Thermal decomposition : not relevant

Carbon oxides

## SECTION 11. TOXICOLOGICAL INFORMATION

To our knowledge, no harmful effects for man under normal conditions of use.

### 11.1. Information on toxicological effects

Information on toxicological effects:

#### Acute toxicity:

Inhalation: LC50 / 14 d / rat: 8.5 mg/L (Method: OECD Test Guideline 403)

Ingestion: LD50 / rat: > 2,000 mg/kg (Method: OECD Test Guideline 423)

#### Local effects (corrosion / irritation / serious eye damage):

Skin contact: no skin irritation (OECD Test Guideline 404)

Eye contact: no eye irritation (OECD Test Guideline 405)

#### Respiratory or skin sensitization:

Inhalation: No data available

Skin contact: Non-skin sensitizer

#### CMR effects:

In vitro mutagenicity: Negative

Carcinogenicity: No data available

Reproductive toxicity: No data available

#### Specific toxicity for certain target organs:

Single exposure: No data available

Repeated exposure: No data available

Aspiration hazard: No data available

## SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicology Assessment: Ecological injuries are not known or expected under normal use. Product must not be released into the environment if dangerous substances are adsorbed onto the product. Insoluble in aqueous solution, the product can be separated by filtration or sedimentation.

### 12.1. Toxicity

Fish: not applicable

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Aquatic invertebrates: not applicable

Aquatic plants: not applicable

Microorganisms: not applicable

### 12.2. Persistence and degradability

None

### 12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water, no data available

Bioconcentration factor (BCF): < 10

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

None known

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Disposal of product : In accordance with local and national regulations. If product not used (in original state) : dispose of in accordance with local regulations. If product has been used (contains adsorbed substances) : dispose of at an approved waste disposal site only.

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

If the product is transported in bags or big bags: The product may be unregulated in the event that test 33.3.1.3.3 of the UN Test and Criteria Manual is negative.

IMDG: Not subject to Class 4.2. if IMO-IMDG test negative. (compulsory certificate).

ICAO / IATA: Samples: not subject to Class 4.2. (compulsory certificate).

ADR / RID: Not subject to Class 4.2. (2.2.42.1.5 of the ADR)

UN Regulations / UN number / Proper Shipping Name / Class / Label / PG / Environment hazardous / Other Information

ADR / 1362 / Activated Carbon / 4.2 / 4.2 / III / no / -

ADN / 1362 / Activated Carbon / 4.2 / 4.2 / III / no / -

RIT / 1362 / Activated Carbon / 4.2 / 4.2 / III / no / -

IATA Cargo / 1362 / Activated Carbon / 4.2 / 4.2 / III / no / -

IATA Passenger / 1362 / 4.2 / 4.2 / III / no / -

IMDG / 1362 / Activated Carbon / 4.2 / 4.2 / III / no / EmS Number: F-A, S-J

### 14.2. UN proper shipping name

Not regulated

### 14.3. Transport hazard class(es)

Not regulated

### 14.4. Packing group

Not regulated

### 14.5. Environmental hazards

Not regulated

### 14.6. Special precautions for user

Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

## SECTION 15. REGULATORY INFORMATION

Safety data sheets: according to Regulation (EC) No. 1907/2006

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

Additional regulations (European Union) :

Hazardous Waste Regulations 2005 Applies

UK REGULATION Chip3: Chemical (Hazard Information and Packaging for Supply) Regulations 2002

### 15.2. Chemical safety assessment

None.

#### INVENTORIES:

EINECS: Conforms to

TSCA: Conforms to

AICS: Conforms to

DSL: All components of this product are on the Canadian DSL.

ENCS (JP): Does not conform

KECI (KR): Conforms to

PICCS (PH): Conforms to

IECSC (CN): Conforms to

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### SECTION 16. OTHER INFORMATION

Bibliography Related EC number : 931-334-3

Creation

Compliance with Regulation (EU) N° 453/2010 of 20 May 2010

*Thesaurus:*

NOAEL : No Observed Adverse Effect Level (NOAEL)

LOAEL : Lowest Observed Adverse Effect Level (LOAEL)

bw : Body weight

food : oral feed

dw : Dry weight

vPvB : very Persistent and very Bioaccumulative

PBT : Persistent, Bioaccumulative and Toxic

“DISCLAIMER OF LIABILITY: The information in this document was obtained from sources which we believe to be reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This Material Safety Data Sheet was prepared for and is to be used only for this product. If the product is used as a component in another product, this information may not be applicable.”