

SAFETY DATA SHEET CARBOCLEAN

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product name: CARBOCLEAN

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

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°: 931-334-3

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 (CO₂), Water spray jet, water fog

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or mixture

Possible presence of dust clouds.

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

No personal precautions required for virgin activated carbon.

6.2. Environmental precautions

Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Transfer the product into a suitable container with water.

6.4. Reference to other sections

Wet activated carbon binds oxygen from the air, which can lead to oxygen depletion. In closed or partially closed equipment, oxygen depletion can reach dangerous levels. Work inside tanks containing activated carbon must follow procedures for working in confined, oxygen-poor spaces.

Saturated activated carbon may contain other pollutants, so the product must be treated in accordance with current legislation. appropriate measures must be taken when handling the product.

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 : large flexible bulk containers., Paper bags, Aluminium or steel for road tankers.

7.3. Specific end use(s)

None.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

Exposure Limit Values (dust)

Source	Type de valeur	Valeur (mg/m ³)	Remarques
INRS(FR) - 2008	VME	5	Activated carbon (respirable respirable fraction), guideline limit
INRS(FR) - 2008	VME	10	Activated carbon (respirable inhalable fraction), regulatory value

Exposure Limit Values: Carbon

Source	Type de valeur	Valeur (mg/m ³)	Remarques
INRS(FR) - 2008	VME	2	Activated carbon (inhalable respirable fraction), guideline limit
INRS(FR) - 2008	VME	10	Activated carbon (inhalable inhalable fraction), regulatory value
INRS(FR) - 2012	VME	5	Activated carbon (inhalable alveolar fraction), regulatory value

Derived No Effect Level (DNEL):

Final user	Inhalation	Exposure	Exposure frequency
Workers	3 mg/m ³ (LE,LT)	Inhaled	Short-term (acute)
Consumers	0,9 mg/m ³ (LE,LT)		Long-term (repeated or prolonged)

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

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:

Physical state (20°C): solid

Form : powder

Colour : black

Odour : None.

Olfactory threshold: Not relevant

pH: pH 3,0 - 5,0, at the recommended dilution for use depending on grade.

Melting point/range : > 1.000 °C (Estimated)

Boiling point/boiling range : > 1.000 °C (Estimated.)

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 : 231 kg/m³ depending on grade.

Water solubility : insoluble

Partition coefficient : n-octanol/water : partition coefficient: n-octanol/water, Not relevant

Auto-ignition temperature : > 500 °C (Standard VDI 2263)

• in layer : 380 °C (Standards CEI 61241-2-1 - NF EN 50281-2-1)

Decomposition temperature : not relevant

Viscosity, dynamic : not applicable

Explosive properties :

Lower explosion limit : 20 g/m³ (Standards ISO 6184-1 - NF EN 26184-1 - ASTM E 1226)

Dust explosion class: St1 (Standards ISO 6184-1 - NF EN 26184-1 - ASTM E 1226)

Minimum ignition energy: > 1 J (Standard CEI1241-2-3 - NF EN 18821-2002)

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

The product is stable under recommended conditions of storage, transport and use.

10.3. Possibility of hazardous reactions

Rapid combustion with liquid oxygen, ozone and powerful oxidants.

10.4. Conditions to avoid

Store away from direct sunlight.

10.5. Incompatible materials

Store away from strong oxidizers and strong acids.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

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

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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
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, Not relevant
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

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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

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.”