

SAFETY DATA SHEET CARBION GRANULES

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product name: Carbion Granules

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

Not applicable.

2.2. Label elements

Not applicable

2.3. Other hazards

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

In case of inhalation: If strong inhalation of dust, remove the subject to the open air, rinse thoroughly with drinking water.

In case of skin contact: Wipe up and wash immediately with water.

In case of eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, to remove all dusts. Consult an ophthalmologist if necessary

If swallowed: Rinse mouth immediately and drink plenty of water.

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

None

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Recommended: Foam, carbon dioxide (CO₂), water spray, aqueous fog

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

No data available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of dust. Avoid contact with skin and eyes. Avoid the crushing of the product, the formation and the diffusion of dust in the atmosphere.

6.2. Environmental precautions

Avoid dispersion by drafts

6.3. Methods and material for containment and cleaning up

Pick up and evacuate without creating dust.

Keep in suitable, closed containers for disposal.

Avoid dispersion of dust in the air (eg by removing dust on the surfaces with compressed air).

Eliminate traces by pouring water.

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6.4. Reference to other sections

See Section 13 for disposal of the substance

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, smoke or drink in the work area.

Avoid dust formation.

Avoid any enclosed space unless well ventilated; the product absorbs oxygen from the surrounding air, thus reducing the oxygen available for breathing

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 flames.

Avoid contact with oxidizing agents and strong acids.

Recommended packing material:

Large Flexible Bulk Container (FIBC)

Paper bags

Aluminum or steel for tanker truck.

7.3. Specific end use(s)

Recommended packaging materials: Paper bags

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values (dust):

Source Date Type of Value Value (ppm) Value (mg / m3) Remarks

INRS (FR) 01/2008 VME - 5 Respirable fraction.

Binding regulatory value

INRS (FR) 01/2008 VME - 10 Respirable fraction.

Binding regulatory value

ACGIH (US) 2008 TWA - 10 Inhalable particles

ACGIH (US) 2008 TWA - 3 Alveolar dust

Exposure limit values: Carbon

Source Date Type of Value Value (ppm) Value (mg / m3) Remarks

INRS (FR) 01/2008 VME - 2 Alveolar fraction. Indicative limit

Derived No Effect Dose (DNEL):

End use Inhalation Ingestion Skin contact

Workers 3 mg / m3 (LE, LT) - -

Consumers 0.5 mg / m3 (LE, LT) - -

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

Predicted No Effect Concentration (PNEC): Not relevant

8.2. Exposure controls

General protection measures:

Provide adequate ventilation and / or ventilation in the workshops.

Individual protection equipment:

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

Hand protection: Gloves

Eye / face protection: Bottle for eyewash with pure water, safety glasses

Skin and body protection: Protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Apperance: solid

Odour: No

Odour threshold: No data available

pH: 3-8

Melting / freezing point: > 1000 °C

Initial boiling point and boiling range: > 1000 °C

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

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Upper/lower flammability or explosive limits: No data available

Vapour pressure : No data available

Vapour density: No data available

Relative density: No data available

Solubility(ies): Insoluble

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity : No data available

Explosive properties: No data available

Oxidising properties: No data available

9.2. Other information

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

Rapid combustion with liquid oxygen, ozone and strong oxidants

10.4. Conditions to avoid

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

10.5. Incompatible materials

Keep away from solvents (possibility of adsorption of their vapors by activated carbon) and strong oxidants

10.6. Hazardous decomposition products

Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No adverse effects in humans to our knowledge under normal conditions of use.

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

12.1. Toxicity

No data available

12.2. Persistence and degradability

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

No data available

12.6. Other adverse effects

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No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product or residues: Relevant methods of disposal: Deliver to an approved disposer.

Contaminated packaging: Comply with regulations and ordinances in force.

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 Proper Shipping Name Class PG Label Dangerous for the Environment Other Information

ADR 1362 Activated Carbon 4.2 4.2 III No

ADNR 1362 Activated Carbon 4.2 4.2 III No

RIT 1362 Activated Carbon 4.2 4.2 III No

IATA Cargo 1362 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

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

Product not concerned by labeling of dangerous substances and preparations.

15.2. Chemical safety assessment

No.

SECTION 16. OTHER INFORMATION

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

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