

SAFETY DATA SHEET CARBION ENO-H

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product name: Carbion ENO-H

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°: 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 (CO₂), 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 : 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 / Date / Value type / Value (ppm) / Value (mg/m³) / 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/m³) / 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/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: 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): solid

Form : powder

Colour : black

Odour: None.

Olfactory threshold: Not relevant

pH: pH 3,0 - 8,0, at the recommended dilution for use depending on grade.

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

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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 : 250 - 400 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

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

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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

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.



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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."