



# ACTIBON CA 1 ENOBLACK SUPER

## MATERIAL SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

#### Substance

Chemical Name Charcoal activated  
Commercial Names and Actibon CA1, Enoblack Super  
Synonyms  
Chemical Abstract Nomenclature

# Uses Decolorant

Company Tel. +39-0321-790-300 (please see bottom of the page)

# Emergency service Niguarda Hospital tel. +39-02-6610-1029

### 2 - COMPOSITION / INFORMATION ON INGREDIENTS

#### - General description of the components, relative concentrations and risks

| Chemical name | N° CAS    | N°EINECS  | Conc/Range % | Classification |           |
|---------------|-----------|-----------|--------------|----------------|-----------|
|               |           |           |              | Symbols        | R phrases |
| Carbon        | 7440-44-0 | 231-153-3 |              |                |           |

The product does not contain any other products and/or impurities that influence the product classification.

### 3 – HAZARDS IDENTIFICATION

Not dangerous - classified substance according to official current regulations.

Health risks No risk  
Environmental risks No risk  
Physical and chemical hazards Combustible product  
Fire and explosion

### 4 – FIRST AID MEASURES

Inhalation Move the injured person to open air  
Skin contact Take off any contaminated clothes. Wash abundantly with water for at least 15 minutes  
Eyes contact Wash immediately and thoroughly with water – Remove contact lenses (if it is easy) – Seek medical advice  
Ingestion Rinse the mouth with water

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## 5 – FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| Advised extinguishing agents                | Use the most suitable equipment according to the substances involved into the fire |
| Extinguishing agents to be avoided          | Water in closed places   |
| Dangers caused by combustion matters        | None   |
| Protection measures in case of intervention | None   |
| Additional information                      | Fast combustion with liquid oxygen, ozone and strong oxidants                      |

## 6 – ACCIDENTAL RELEASES MEASURES

|                                     |   |
|-------------------------------------|---|
| Collection and disposal methods     | Collect the product by suction and prevent dust formation. Wash residual matters with water |
| Personal-related safety precautions | Anti-dust mask  |
| Environmental protection            |   |

## 7 – HANDLING AND STORAGE

|          |   |
|----------|---|
| Handling | Prevent dust formation. Wear anti-dust mask   |
| Storage  | Store in a dry, cool and well-ventilated place – Keep away from oxidants that can provoke fast combustion – Prevent contact with solvents (charcoal can absorb vapours) |

## 8 – PERSONAL PROTECTION / EXPOSURE CONTROL

|                        |   |
|------------------------|---|
| Respiratory protection | Anti-dust mask  |
| Skin protection        | Unknown   |
| Hand protection        | Safety gloves   |
| Eyes protection        | Safety goggles – Do not wear contact lenses             |
| Exposure limits        | TLV-TWA: unknown, 10 mg/m <sup>3</sup> (irritant dusts) |

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## 9 – PHYSICAL AND CHEMICAL PROPERTIES

|   |                |   |
|---|----------------|---|
| Appearance                              | physical state | Powder  |
|   | colour         | Black   |
|   | smell          | None  |
| Melting point                           |                | N.A.  |
| Boiling point                           |                | N.A.  |
| Density                                 |                | 300-500 kg/m <sup>3</sup>   |
| Solubility in water                     |                | Insoluble   |
| Flash point                             |                | > 130°C (Actibon CA1)   |
| Inflammability limits (vol % in air)    |                | IMCO Test: it does not pass the test 100 mm <sup>3</sup> at 140°C (Actibon CA1) |
| Autoignition temperature                |                | > 300°C (Enoblack)  |
| pH                                      |                |   |
| Coefficient of division n-octanol/water |                |   |

## 10 – STABILITY AND REACTIVITY

|                                  |  |
|----------------------------------|--|
| Conditions to be avoided         | Fast combustion with oxygen, ozone and strong oxidants |
| Products to be avoided           | Solvents and strong oxidants                           |
| Hazardous decomposition products | CO e CO <sub>2</sub> releases                          |

## 11 – TOXICOLOGICAL INFORMATION

|                         |                   |                |
|-------------------------|-------------------|----------------|
| Penetration ways        | Inhalation        | yes            |
|                         | Ingestion         | unlikely event |
|                         | Contact           | no             |
| Acute toxicity          | LD50 (oral, rat): | > 10 g/kg      |
| Inhalation consequences | Irritation        |                |
| Ingestion consequences  | Unlikely event    |                |
| Skin local effects      | Unknown           |                |
| Eyes local effects      | Irritation        |                |

Additional information

## 12 – ECOLOGICAL INFORMATION

Product not dangerous for the environment. Low solubility in water. Mechanically separable in water treatment plants. Hardly biodegradable because of its mineral origin.

## 13 – DISPOSAL CONSIDERATIONS

|                       |   |
|-----------------------|---|
| Product               | The product can be discarded as an urban waste                                    |
| Contaminated packages | Empty the package, unfold it completely - Dispose of it depending on the material |

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## 14 – TRANSPORT INFORMATION

Enoblack Super is not subject to ADR prescriptions.

Actibon CA1:

ADR/RID-UN nr            1362  
ADRRID-class            4.2,III  
ADR/RID-label            4.2 + UN1362

# Sea transportation

IMO class                4.2  
IMDG code               1362  
UN nr                     1362  
Package                 III  
EMS                      F-A, S-J  
Label                     4 + UN1362

## 15 – REGULATORY INFORMATION

EC labelling                 Required by the law  
                                      Temporary  
                                     Not required

# Classification

## 16 - OTHER INFORMATION

Hazard symbol  
# Risk phrases

Safety phrases

The information are inferred from the material safety data sheet of the producer/import company in EU.

This material safety data sheet has been issued in accordance with 2001/58/CE.

Before starting the use of this product for any new process or experiment, it must be carried out a deep study on the safety and the compatibility of the product itself with materials it could come in contact with.

The information contained in this safety data sheet is given to protect health and safety at work. No responsibility is taken for possible damages arising from uses of this information for different purposes from the ones here indicated.

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