

**Trade name:** Ensaco 150/210/250/260/350 granular, Ensaco 150/250P, Super P, Super P-Li, C-ENERGY SUPER

**Current version :** 2.1.1, issued: 24.04.2012

**Replaced version:** 2.1.0, issued: 23.09.2011

**Region:** USA

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name**

**Ensaco 150/210/250/260/350 granular, Ensaco 150/250P, Super P, Super P-Li, C-ENERGY SUPER C 45/65**

**Identification numbers**

CAS no. 1333-86-4  
EC no. 215-609-9

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

**Address**

TIMCAL BELGIUM N.V.  
Appeldonkstraat, 173  
B-2830 Willebroek

Telephone no. +32 (0)3 886 71 81

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**Supplier**

**Address**

TIMCAL AMERICA INC.  
Representative Office  
29299 Clemens Road 1-L  
Westlake, Ohio 44145 USA

Telephone no. +1-440-871-7504

Fax no. +1-440-871-7504

### 1.4 Emergency telephone

For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), call CHEMTREC at +1 800 424 9300.  
For ALL other inquiries about this product, call Timcal at +32 (0)3 886 71 81

## SECTION 2: Hazards identification

### 2.1 Immediate hazards

No data available.

### 2.2 Potential Health Effects

**Eye**

May cause eye irritation.

**Skin**

May cause skin irritation.

**Inhalation**

May cause respiratory tract irritation.

**Ingestion**

No hazard in normal industrial use.

**Cancer**

Carbon Black is listed:

by IARC: as group 2B carcinogen (carcinogenic in animals; possible human carcinogen).

By ACGIH: A4 not classifiable as a Human Carcinogen.

By NIOSH: occupational carcinogen.

By OSHA: possible select carcinogen.

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## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterization

Substance name Soot (carbon black), mineral origin, > 96%

#### Identification numbers

CAS no. 1333-86-4

EC no. 215-609-9

### 3.2 Mixtures

Not applicable. The product is not a mixture.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give Oxygen. Get medical attention.

#### After skin contact

Wash with soap and water.

#### After eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

#### After ingestion

Rinse mouth thoroughly with water. By continuous complaints consult a physician. Never give anything by mouth to an unconscious person.

### 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; Extinguishing powder; Water mist

#### Unsuitable extinguishing media

No data available.

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

### 5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure - demand, MSHA/ NIOSH (approved or equivalent) and full protective gear. Product burns or smoulders with temperatures > 430°C. Monitor for at least 48 hours to make sure that the material does not gleam anymore.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid dust formation.

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**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up**

Absorb, collect using a suitable dust-attracting material. Send in suitable containers for recovery or disposal.

**6.4 Reference to other sections**

No data available.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling**

Soot handling instructions for closed rooms, silos or containers are given under chapter 8. Provide good ventilation of working area (local exhaust ventilation if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

**General protective and hygiene measures**

The application of a barrier cream makes the removal of the carbon black from the skin easier, when washed with water and soap. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Do not inhale dust. Provide eye wash fountain in work area.

**Advice on protection against fire and explosion**

Dust can form an explosive mixture with air. Take measures against dust explosion. Keep away from sources of heat and ignition.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

**Hints on storage assembly**

Do not store together with: Oxidizing agents

## SECTION 8: Exposure controls / personal protection

**8.1 Control parameters**

**Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	<b>CARBON BLACK</b>	<b>1333-86-4</b>	<b>215-609-9</b>
	<b>ACGIH</b>		
	Carbon black		
	TWA	3.5	mg/m <sup>3</sup>
	<b>LIMITS FOR AIR CONTAMINANTS (OSHA)</b>		
	Carbon black		
	TWA	3,5	mg/m <sup>3</sup>

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## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

Respiratory protection in closed rooms: Obligatory use of a breathing apparatus independent of ambient air when accessing closed soot stores (silos and containers). The respirator must comply with local rules. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

#### Eye / face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

#### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves. The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection.

Appropriate Material	Latex
Appropriate Material	Polyethylene
Appropriate Material	Vinyl

#### Other

Wear appropriate clothing to minimize contact with skin.

### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Color</b>	
Powder / granulates	
black	
<b>Odor</b>	
odorless	
<b>Odor threshold</b>	
No data available	
<b>pH value</b>	
Value	7 - 10
Method	ASTM D1512-05
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point / melting range</b>	
No data available	
<b>Decomposition point / decomposition range</b>	
Value	> 400 °C
<b>Flash point</b>	
Not applicable	
<b>Ignition temperature</b>	
Value	> 500 °C
Remarks	Ignition energy min. 1000 J

# Material Safety Data Sheet

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<b>Auto-ignition temperature</b>
No data available

<b>Oxidising properties</b>
No data available

<b>Explosive properties</b>
No data available

<b>Flammability (solid, gas)</b>
No data available

<b>Lower flammability or explosive limits</b>		
Value	50	g/m <sup>3</sup>

<b>Upper flammability or explosive limits</b>
No data available

<b>Vapor pressure</b>
No data available

<b>Vapour density</b>
No data available

<b>Evaporation rate</b>
No data available

<b>Relative density</b>
No data available

<b>Density</b>				
Value	1.8	-	2.0	g/cm <sup>3</sup>
Reference temperature			25	°C

<b>Bulk density</b>				
Value	0.12	-	0.25	g/ml

<b>Solubility in water</b>	
Remarks	insoluble

<b>Solubility(ies)</b>
No data available

<b>Partition coefficient: n-octanol/water</b>
No data available

<b>Viscosity</b>
No data available

## 9.2 Other information

<b>Other information</b>
No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Contact with open flames.

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## 10.5 Incompatible materials

Oxidizing agents

## 10.6 Hazardous decomposition products

None, if handled according to order

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity	
LD50	> 15400 mg/kg
Species	rat
Source	RTECS

Acute dermal toxicity	
LD50	> 3000 mg/kg
Species	rabbit
Source	RTECS

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation	
No data available	

Serious eye damage/irritation	
No data available	

Respiratory or skin sensitisation	
No data available	

Germ cell mutagenicity	
No data available	

Reproduction toxicity	
No data available	

Carcinogenicity	
Remarks	IARC classification: 2 B (IARC Monograph Volume 65, 12.4.1996) "may cause cancer to human being". This classification is basing on inhalation studies carried out with rats where the oncogenesis has been assessed by many toxicologists as "specific to species" and not "directly contagious to human being".
Remarks	ACGIH: A4 not classifiable as a Human Carcinogen. NIOSH: occupational carcinogen. OSHA: possible select carcinogen.

STOT-single exposure	
No data available	

STOT-repeated exposure	
No data available	

Aspiration hazard	
No data available	

Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact may cause mechanical irritation through dust particles.	

Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Repeated and prolonged skin contact may lead to defatting and irritation of the skin. Inhalation of dusts may irritate the respiratory tract.	

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## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Fish toxicity</b>
No data available
<b>Daphnia toxicity</b>
No data available
<b>Algae toxicity</b>
No data available
<b>Bacteria toxicity</b>
No data available

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

<b>Bioconcentration factor (BCF)</b>	
Remarks	Not potentially bioaccumulative.

### 12.4 Mobility in soil

<b>Mobility in soil</b>	
Remarks	The product is insoluble in water.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

<b>Other information</b>
Do not discharge into the drains or waters and do not store on public depositories.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product**

Dispose in accordance with federal, state and local regulations.

## SECTION 14: Transport information

### 14.1 US DOT

The product is not subject to DOT regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

Canada: The product is not defined under Transport Dangerous Goods Directorate regulations as a hazardous material. The product is a non-activated carbon black of mineral origin. Basing on test studies this product is not being considered a hazardous good according to the classification of hazardous goods 4.2, since self ignition is above 140°C.

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## SECTION 15: Regulatory information

### US FEDERAL REGULATIONS

#### **Toxic Substances Control Act (TSCA)**

Is listed on the TSCA inventory.

#### **Clean Water Act (CWA)**

None of the ingredients is listed.

#### **OSHA**

Following ingredients are Hazardous by definition of Hazard Communication Standard:

CAS no. 1333-86-4

#### **SARA Section 302 (RQ):**

None of the ingredients is listed.

#### **SARA 311/312**

Hazard category Chronic Health Hazard

#### **SARA Section 313**

None of the ingredients is listed.

#### **HAPS Hazardous Air Pollutants**

None of the ingredients is listed.

### CARCINOGENICITY

#### **IARC**

Following ingredients are listed in Group 2B:

CAS no. 1333-86-4

### US STATE REGULATIONS

#### **New Jersey Worker and Community Right to Know Act.**

Following ingredients are listed:

CAS no. 1333-86-4

#### **California Proposition 65.**

Following ingredients are listed:

CAS no. 1333-86-4 (Carbon Black)

#### **Pennsylvania HAZARDOUS SUBSTANCE LIST**

Following ingredients are listed:

CAS no. 1333-86-4

### CANADA FEDERAL REGULATIONS

#### **DSL/NDSL**

Listed on DSL inventory.

#### **WHMIS Classification**

This product had been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### **National Pollutant Release Inventory - Appendix 1**

None of the ingredients is listed.

#### **National Pollutant Release Inventory - Appendix 2**

None of the ingredients is listed.



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## SECTION 16: Other information

### Other information

#### Abbreviations:

ACGIH American Conference of Governmental Hygienics

CAS Chemical Abstracts Service

HAPS Hazardous Air Pollutants

HMIS Hazardous Material Identification System

IARC International Agency for Research on Cancer

IDLH Immediate Dangerous to Life and Health

LEL Lower Explosion Limit

NTP National Toxicology Program

OEL Occupational Exposure Limit

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

PPE Personal Protection Equipment

SARA Superfund Amendments and Reauthorization Act

STEL Short-Term Exposure Level (15 minutes)

TWA Time-Weighted Average (8 hours)

UEL Upper Explosion Limit

VOC Volatile Organic Compounds

WEEL Workplace Environmental Exposure Level

#### Canadian Abbreviations:

DSL Domestic Substance List

NDSL Non-Domestic Substance List

NPRI National Pollutant Release Inventory

TDG Transport Dangerous Goods Directorate

WHMIS Workplace Hazardous Materials Information System

### Department issuing safety data sheet

UMCO Umwelt Consult GmbH

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.