



Version 1

Product Name ENSACO® 150/ 210/ 240 / 250/ 260/ 350 G, ENSACO® 150/ 250 P, SUPER P®, SUPER P®-Li, C-ENERGY™ SUPER C 45/ 65

Issue Date 29-May-2015
Revision date 29-May-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name ENSACO® 150/ 210/ 240 / 250/ 260/ 350 G, ENSACO® 150/ 250 P, SUPER P®, SUPER P®-Li, C-ENERGY™ SUPER C 45/ 65

Other means of identification

Synonyms CARBON BLACK

Recommended use of the chemical and restrictions on use

Recommended Use Pigments
Batteries
Additive for plastic and rubber
Chemical reagent
Refractories
Uses advised against Use in tattoo inks

Details of the supplier of the safety data sheet

Supplier Imerys Graphite & Carbon Belgium SA
Address Brownfieldlaan 19 • 2830 Willebroek • Belgium
Phone +32 3 886 71 81
FAX +32 3 886 47 73 •
E-mail graphiteandcarbon.be@imerys.com

Importer Imerys Graphite & Carbon Belgium SA
Address Brownfieldlaan 19 • 2830 Willebroek • Belgium
Phone +32 3 886 71 81
FAX +32 3 886 47 73
E-mail graphiteandcarbon.be@imerys.com

Emergency telephone number

For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

2. HAZARDS IDENTIFICATION

GHS Classification

Not classified

Label elements

Symbols/Pictograms None
Signal word None
Hazard Statements Not classified
Precautionary Statements
Prevention None
Response None
Storage None
Disposal None

Hazards not otherwise classified (HNOC)

No information available

Unknown acute toxicity

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical nature</u>	Substance		
Chemical Name	CAS No	Weight-%	
Carbon black	1333-86-4	> 96	

4. FIRST AID MEASURES

Description of first aid measures

General advice	If symptoms persist, call a physician. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Ingestion	Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.
Eye contact may cause mechanical irritation through dust particles.
Inhalation of dusts may irritate the respiratory tract

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media CO₂, dry chemical, dry sand, alcohol-resistant foam.
Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors
Carbon oxides (CO_x)

Protective equipment and precautions for firefighters

Carbon black does not burn with an open flame and fire may not be noticed until material is poked to reveal visible sparks. Carbon black that has burnt once should be observed carefully for at least 48 hours. Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation, especially in confined areas
- Evacuate personnel to safe areas
- Use personal protection recommended in Section 8
- Avoid contact with skin, eyes or clothing
- Do not touch or walk through spilled material
- Remove all sources of ignition
- Avoid creating dust
- Caution: moist Carbon Black causes dangerously slick surfaces.

Methods and material for containment and cleaning up

- Prevent further leakage or spillage if safe to do so
- Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust
- Take up mechanically, placing in appropriate containers for disposal

7. HANDLING AND STORAGE

Precautions for safe handling

- Handle in accordance with good industrial hygiene and safety practice
- Ensure adequate ventilation, especially in confined areas
- Use personal protection recommended in Section 8
- Do not eat, drink or smoke when using this product
- Avoid contact with skin, eyes or clothing
- Remove contaminated clothing and shoes
- Wash contaminated clothing before reuse
- Dust can form an explosive mixtures with air. Take measures against dust explosion.
- Wash thoroughly after handling
- Do not breathe dust/fume/gas/mist/vapors/spray
- Avoid generation of dust
- Take precautionary measures against static discharges
- Keep away from heat, sparks, flame and other sources of ignition

Conditions for safe storage, including any incompatibilities

- Keep containers tightly closed in a dry, cool and well-ventilated place
- Keep away from heat
- Store in accordance with local regulations

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Denmark	European Union
Carbon black (CAS #: 1333-86-4)	TWA: 3 mg/m ³ inhalable fraction	-	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH	TWA: 3.5 mg/m ³	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Carbon black (CAS #: 1333-86-4)		TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	Skin	-

Chemical Name	Norway	United Kingdom	Australia	Austria	Belgium
Carbon black (CAS #: 1333-86-4)	TWA: 3.5 mg/m ³ STEL: 3.5 mg/m ³	-	3 mg/m ³	-	-

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas

Individual protection measures, such as personal protective equipment

Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hand Protection	Wear protective gloves.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Powder / granulates
Color	Black
Odor	Odorless
Odor Threshold	Not determined
pH	5 – 11 (ASTM D1512-05)
Melting point/freezing point	> 3000°C >5432°F
Boiling point / boiling range	> 3000°C >5432°F
Flash point	Not applicable
Evaporation rate	Not determined
Flammability (solid, gas)	Not flammable
Flammability Limit in Air	50 g/m ³ ~
Vapor Pressure	Not applicable
Vapor density	Not determined
Density	15.02-16.69 lbs / gallon(25°C)
Relative density	Not determined
Bulk density	0.12 - 0.25 g/ml
Specific gravity	Not determined
Water solubility	Insoluble
Partition coefficient (LogPow)	Not determined
Ignition temperature	> 500°C > 932°F
Decomposition temperature	> 400°C >752°F
Kinematic viscosity	Not determined
Dynamic viscosity	Not applicable
Explosive properties	Not an explosive
Oxidizing properties	No oxidising properties

Other information

No information available

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

Chemical stability

Stable under normal conditions

Possibility of Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight

Incompatible materials

Oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied

Thermal decomposition can lead to release of irritating and toxic gases and vapors

Carbon oxides (COx)

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Inhalation of dusts may irritate the respiratory tract.
Eye contact	Eye contact may cause mechanical irritation through dust particles.
Skin Contact	Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.
Ingestion	No known effect based on information supplied

Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Carbon black (CAS #: 1333-86-4)	> 8000 mg/kg (rat)	> 3000 mg/kg (Rabbit)	-

Skin corrosion/irritation

Non-irritating to the skin

Serious eye damage/eye irritation

No eye irritation

Sensitization

No sensitization responses were observed

Germ cell mutagenicity

Not classified

Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Carbon black (CAS #: 1333-86-4)	A3	Group 2B	-	-

Reproductive toxicity

Not classified

STOT - single exposure

No information available

STOT - repeated exposure

Not classified

Aspiration hazard

No applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

Biodegradation is not expected.

Bioaccumulative potential

Bioaccumulation is not expected.

Mobility in soil

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	Dispose of in accordance with federal, state and local regulations

14. TRANSPORT INFORMATION

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.

DOT

UN/ID No.	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Special precautions	No information available
Marine pollutant	Not applicable

15. REGULATORY INFORMATION

International Inventories

Component	AICS	DSL/NDL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	TSCA
Carbon black 1333-86-4 (60 - 100)	X	X	X	X	X	X	X	X

"-" Not Listed

"X" Listed

US FEDERAL REGULATIONS

Toxic Substances Control Act (TSCA)

Is listed on the TSCA inventory

Following ingredients are Hazardous by definition of Hazard Communication Standard:
CAS no. 1333-86-4

US Federal Regulations

SARA Section 302 (RQ):

None of the ingredients is listed

SARA 313

Not apply.

SARA 311/312 Hazard Categories

Not apply.

CWA (Clean Water Act)

None of the ingredients is listed.

CERCLA

Not apply.

HAPS Hazardous Air Pollutants

None of the ingredients is listed.

HMIS Classification

Health	1
Flammability	1
Physical Hazard	0

US State Regulations

California Proposition 65

Chemical Name	California Proposition 65
Carbon black - 1333-86-4	Carcinogen

New Jersey Worker and Community Right to Know Act.

Following ingredients are listed:

CAS no. 1333-86-4

Pennsylvania HAZARDOUS SUBSTANCE LIST

Following ingredients are listed:

CAS no. 1333-86-4

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Carbon black 1333-86-4	X	X	-

16. OTHER INFORMATION

Revision Note

Issue Date	29-May-2015
Revision date	29-May-2015
Revision Note	Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- **End of Safety Data Sheet** -----