

## SAFETY DATA SHEET

Revision Date 12/20/2023

## 1. PRODUCT AND COMPANY IDENTIFICATION

## 1.1 Product identifiers

Product Names : Carbopack B (60/80); Carbopack-X (40/60); Carbopack-X (60/80)

Product Numbers : 12710, 12712

Brand : SKC Inc.

CAS-No. : 1333-86-4

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses : Air Sampling

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

Company : SKC, Inc.  
863 Valley View Rd.  
Eighty Four, PA 15330  
USA

Telephone : 724-941-9701; 800-752-8472 (Mon-Fri, 8:30 a.m. - 5:00 p.m. EST)

Fax : 724-941-1369 (Mon-Fri, 8:30 a.m. - 5:00 p.m. EST)

## 1.4 Emergency telephone number

Emergency Phone # : CHEMTREC at 800-424-9300 (U.S./Canada); 703-741-5970 (Global)

## 2. HAZARDS IDENTIFICATION

## 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
Carcinogenicity (Category 2), H351  
*For the full text of the H-Statements mentioned in this Section, see Section 16.*

## 2.2 GHS Label elements, including precautionary statements

## • Pictogram



## • Signal word: Warning

## • Hazard statement(s)

H351 Suspected of causing cancer.

## • Precautionary statement(s)

P201 Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Formula : C  
Molecular weight : 12.01 g/mol  
CAS-No. : 1333-86-4  
EC-No. : 215-609-9

#### Hazardous components

Component	Classification	Concentration
Carbon black		
	Carc. 2; H351	<= 100 %

For the full text of the H-Statements mentioned in the Section, see Section 16.

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### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

- **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

- **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

- **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

- **In case of eye contact**

Flush eyes with water as a precaution.

- **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

***Suitable extinguishing media***

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 Further information

No data available

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### 6. ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let products enter drains.

#### 6.3 Methods and materials for containment and cleaning up

up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

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

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

Keep in a dry place.

Storage class (TRGS 510): Non Combustible Solids

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Carbon black	1333-86-4	TWA	3.500000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Not classifiable as a human carcinogen		
		TWA	3.500000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	3.500000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	0.100000 mg/m3	USA. NIOSH Recommended Exposure Limits
		Potential Occupational Carcinogen Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs) See Appendix C See Appendix A		
		TWA	3.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		Bronchitis Confirmed animal carcinogen with unknown relevance to humans		

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with these products. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### **Recommended glove:** Nitrile Rubber

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

##### Body Protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let products enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

a) Appearance	Form: powder, pellets Colour: black
b) Odor	odorless
c) Odor Threshold	No data available
d) pH	4.0 - 11.0 at 50 g/l at 20 °C (68 °F)
e) Melting point/freezing point	Melting point/range: 3,654 - 3,697 °C (6,609 - 6,687 °F)
f) Initial boiling point and boiling range	4,200 °C (7,592 °F) at 1,013 hPa (760 mmHg) - OECD Test Guideline 103
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	These products are not flammable.
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	0.44 g/cm <sup>3</sup> (Carbopack-X 60/80), 1.50-1.90 g/cm <sup>3</sup> at 20 °C (Carbopack-X 40/60), 0.38 g/cm <sup>3</sup> (Carbopack-B 60/80)
n) Water solubility	0.0001 g/l - OECD Test Guideline 105 - insoluble
o) Partition coefficient: noctanol/water	No data available
p) Auto-ignition temperature	> 315 °C (> 599 °F)
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

### 9.2 Other safety information:

Bulk density	0.02-55 g/l
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## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** No data available

**10.2 Chemical stability:** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions:** No data available

**10.4 Conditions to avoid:** Do not heat over: 290°C

**10.5 Incompatible materials:** Strong oxidizing agents, Chlorates, Nitrates

### 10.6 Hazardous decomposition products:

Other decomposition products - No data available  
In the event of fire: see section 5

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - male and female - > 8,000 mg/kg  
(OECD Test Guideline 401)

Inhalation: No data available

LD50 Dermal - Rabbit - > 3,000 mg/kg

No data available

#### Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 24 h  
(OECD Test Guideline 404)

#### Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation  
(OECD Test Guideline 405)

#### Respiratory or skin sensitisation

- Guinea pig

Result: Did not cause sensitisation on laboratory animals.  
(OECD Test Guideline 406)

#### Germ cell mutagenicity

Ames test

S. typhimurium

Result: negative

Hamster

ovary

Result: negative

DNA repair

Rat - female

Result: negative

#### Carcinogenicity

Carcinogenicity - Rat - Inhalation

Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors.

These products are or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

- **IARC:** 2B - Group 2B: Possibly carcinogenic to humans (Carbon black)
- **NTP:** No component of these products present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- **OSHA:** No component of these products present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information:** RTECS: FF5800000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### **Toxicity to fish**

LC50 - Danio rerio (zebra fish) - > 1,000 mg/l - 96 h

#### **Toxicity to daphnia and other aquatic invertebrates**

static test EC50 - Daphnia magna (Water flea) - > 5,600 mg/l - 24 h (OECD Test Guideline 202)

#### **Toxicity to algae**

static test EC50 - Desmodesmus subspicatus (green algae) - > 10,000 mg/l - 72 h (OECD Test Guideline 201)

### 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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other adverse effects

No data available

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### **Products**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of these materials. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### **Contaminated packaging**

Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### 14.1 DOT (US)

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

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## 15. REGULATORY INFORMATION

#### **SARA 302 Components**

No chemicals in these materials are subject to the reporting requirements of SARA Title III, Section 302.

#### **SARA 313 Components**

These materials do not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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

Chronic Health Hazard

#### **Massachusetts Right To Know Components**

	CAS-No.	Revision Date
Carbon black	1333-86-4	1991-07-01

**Pennsylvania Right To Know Components**

	CAS-No.	Revision Date
Carbon black	1333-86-4	1991-07-01

**New Jersey Right To Know Components**

	CAS-No.	Revision Date
Carbon black	1333-86-4	1991-07-01

**California Prop. 65 Components**

WARNING! These products contains a chemical known to the State of California to cause cancer.

	CAS-No.	Revision Date
Carbon black	1333-86-4	2003-02-21

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**16. OTHER INFORMATION****Full text of H-Statements referred to under sections 2 and 3.*****Carc. Carcinogenicity***

H351 Suspected of causing cancer.

**HMIS Rating**

Health hazard:	0
Chronic Health Hazard:	*
Flammability:	0
Physical Hazard:	0

**NFPA Rating**

Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0

**Disclaimer**

For approved uses only. Not for drug, household, or other uses.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. SKC Inc. shall not be held liable for any damage resulting from handling or from contact with the above products.

**Latest Change(s):** Updated SDS to bring into compliance with the GHS

**Last Update:** December 2023