

SAFETY DATA SHEET

Revision Date 12/20/2023

1. PRODUCT AND COMPANY IDENTIFICATION**1.1 Product identifiers**

Product name : Anasorb 747
Brand : SKC Inc.
CAS-No. : 7440-44-0

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 chemical in accordance with paragraph (d) of §1910.1200**

Physical Hazards : When dust is on the floor, the floor becomes slippery. Can cause falls.

Health Hazards : Dust particles may irritate eyes.
Wear personal protective equipment.
Handle not to stir up dusts. Ventilate the room. When handling inside vessels or enclosed spaces, be sure to follow all local, provincial, and federal regulations for operation under the dangerous condition of oxygen deficiency.

Environmental Hazards : No information available
(Classification based on UN
Global Harmonized System of
Classification and Labeling of
Chemicals)

2.2 Signal word, hazard statement(s), symbol(s), and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Symbols : Not applicable

Signal word : Not applicable

Hazard statements : Not applicable

Precautionary statements : Not applicable

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Dispose of contents/container in accordance with related laws and local/regional regulations.

2.3 Description of any hazards not otherwise classified

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Product Name** : Anasorb 747

3.2 **Information on ingredients** : Carbon

Declarable components	CAS No.	Chemical formula or structural formula	Concentration (wt %)
Carbon	7440-44-0	C	More than 98%

4. FIRST AID MEASURES

4.1 **Necessary first aid measures by relevant routes of exposure**

Inhalation

Leave the work area immediately to get some fresh air and thoroughly rinse out mouth with water. Handle not to stir up dusts. Ventilate the room. When handling inside vessels or enclosed spaces, be sure to follow all local, provincial, and federal regulations for operation under the dangerous condition of oxygen deficiency.

Skin Contact

Wash with soap and water. Adhesive tape may also be effective.

Eye Contact

Remove contact lenses. In the case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes without rubbing eyes. Seek medical attention if necessary.

4.2 **Most important symptoms and effects, acute and delayed**

No information available

4.3 **Indication of immediate medical attention and special treatment needed, if necessary**

If skin redness or irritation develops, seek medical attention immediately.

5. FIREFIGHTING MEASURES

5.1 **Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media: Water, carbon dioxide gas, foam, dry chemicals or powder is effective.

5.2 **Specific hazards arising from the chemical**

In the event of fire, CO or CO₂ may be generated. Red burning materials may be scattered by strong wind and may cause burn injury or fire spread.

5.3 **Special protective equipment and precautions for firefighters**

Fight a fire from upwind. Unauthorized persons should be evacuated. Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

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

Since the product is hard and spherical, it may cause slippages when scattered on the floor.

Personal precautions : No data available

Protective equipment : When dust is on the floor, the floor becomes slippery and may cause falls.
Wear anti-dust mask, safety glasses, or other suitable protective equipment.

Emergency procedures : No data available

6.2 **Environmental precautions**

No data available

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

Immediately sweep up or vacuum the product and store it in a suitable container.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Technical measures : Wear anti-dust mask, safety glasses, or other suitable protective equipment.

Precautions such as local/total ventilation : Handling this product under local ventilation is preferred since it is likely to generate dust.

Precautions for safe handling : Handle not to stir up dusts. Ventilate the room. When handling inside vessels or enclosed spaces, be sure to follow all local, provincial, and federal regulations for operation under the dangerous condition of oxygen deficiency.
Treat the product as a combustible material (coal, charcoal) when handling over ten tons of the product. Handling and storage must comply with all local, provincial, and federal regulations. The product may produce heat and bubbles by absorbing liquid, then spread vapor. Do not heat the product over 400 C; it may slowly oxidize.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures : Keep the product in a sealed package to prevent adsorption of substances. Change in temperature may cause the activated carbon to absorb or release gas inside the package and make the package tight or expand.

Incompatible materials and mixtures : No information available

Conditions for safe storage : Keep the product in a closed package indoors and keep it away from direct sun light in paper bag with polyethylene inside the bag, flexible container bag, etc.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational Exposure Limits

OSHA permissible exposure limit (PEL): No value limits

ACGIH Threshold Limit Value (TLV): No value limits

8.2 Appropriate engineering controls

Individual protection measures, such as personal protective equipment

Local dust collection equipment is needed for constant handling. Eye washer or shower should be available.

Respiratory protection:

Anti-dust mask or air supplying respirator when working inside vessels

Handle not to stir up dusts. Ventilate the room. When handling inside vessels or enclosed spaces, be sure to follow all local, provincial, and federal regulations for operation under the dangerous condition of oxygen deficiency.

Hand protection:

Leather or thick cloth gloves

Eye/face protection:

Dust particles may irritate eyes. Wear anti-dust goggles.

Skin and body protection:

Dust particles may irritate skin. Work clothes and arm covers should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|---|--|
| a) Appearance | solid, spherical particle (over 0.3 mm), black |
| b) Odor | No data available |
| c) Odor threshold | No data available |
| d) pH | Not applicable |
| e) Melting/freezing point | > 3,000 C |
| f) Initial boiling point/range | No data available |
| g) Flash point | No data available |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | Although high temperature heat may cause red heat, the product does not burn with flame. |
| j) Upper/lower flammability or explosive limits | No data available |

k) Vapor pressure	Not applicable
l) Vapor density	Not applicable
m) Relative density	Ca. 0.6 g/ml (bulk density), Ca. 1.9~2.1 g/ml (specific gravity)
n) Solubilities	Non-soluble in water or any solvent
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Volatility	No data available
t) Ignition point	No data available
u) Dust explosion	No data available
v) Self-reactivity/ explosiveness	No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No self ignition or reactivity with water under normal use condition

10.2 Chemical stability

Stable under normal use condition

10.3 Possibility of hazardous reactions

Principal component of the product is carbon, which is flammable, but due to high ignition temperature, the product is classified as incombustible unless you handle over ten tons of the product. The product does not spontaneously combust. It may slowly start burning with fuel by high temperature (over 400 C), but the fire disappears if the fire source is removed. The conductivity of the product may cause short circuit.

10.4 Conditions to avoid

Avoid heating by high temperature in air or contacting with ozone, liquid oxygen, or other strong oxidant.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Symptoms related to the physical, chemical, and toxicological characteristics

No data available

Information on product:

11.2 Delayed and immediate effects and also chronic effects from short and long-term exposure

Dust particles may irritate eyes and skin and may also affect respiratory system. Wear protective clothing and respirator.

11.3 Numerical measures of toxicity (such as acute toxicity estimates)

No data available. Avoid inhaling dust.

11.4 Whether the chemical is listed in the NTP Report on Carcinogens or has been found to be a potential carcinogen in the IARC Monographs or by OSHA

No cases for human body or immunologic information have been reported.

IARC:

NTP Report:

OSHA:

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Information on product/ingredients: No data available. The product does not give any environmental impact since it is widely used for water purification system.

12.2 Persistence and degradability

Information on product/ingredients: No data available (The product does not degrade in ordinary use.)

12.3 Bioaccumulative potential

Information on product/ingredients: No data available

(Since the product is insoluble in water, there is virtually no possibility that the product enters the body or tissue.)

12.4 Mobility in soil

Information on product/ingredients: No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Hazardous waste characteristics

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

When disposing, consult to a certificated waste trader or local offices if they deal with the waste.

In disposed by incineration, adsorb this product to waste cloth and then incinerate it gradually at an open-incinerator.

DO NOT allow waste water that used for cleaning of the process equipment to enter drains. It may be necessary to collect all waste water that was used for cleaning before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority.

13.2 Contaminated container and packaging

Contents should be removed completely when dispose of empty containers.

14. TRANSPORT INFORMATION

14.1 UN Number

None

14.2 UN proper shipping name

None

14.3 Transport hazard class(es)

None

14.4 Packing group,if applicable

None

14.5 Environmental hazards (e.g., Marine pollutant [Yes/No])

None

14.6 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.7 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

15. REGULATORY INFORMATION

OSHA : Y
TSCA inventory : Y
TSCA SNUR : N
RCRA Hazardous Waste : N
SARA Title III : N
CERCLA Reportable Quantity :

Legend:

Y = All ingredients are on the inventory.

N = Not determined or one or more ingredients are not on the inventory and are not exempt

16. OTHER INFORMATION**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 product.

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

Last Update: December 2023