CARBON BLACK DC UTEC 6540

Version Number 1.0 Revision Date 04/22/2025



Page 1 of 16 Print Date 04/25/2025

SAFETY DATA SHEET

CARBON BLACK DC UTEC 6540

| Section 1. Identification | on | | |
|---|----|--|--|
| | | | |
| GHS product identifier | : | CARBON BLACK DC UTEC 6540 | |
| Chemical name | : | Mixture | |
| CAS number | : | Mixture | |
| Other means of identification | : | CC10408815 | |
| Product type | : | solid | |
| Relevant identified uses of the substance or mixture and uses advised againstProduct use:Industrial applications. Plastics. | | | |
| 1 fourier use | • | industrial applications. Flastics. | |
| Supplier's details | : | AVIENT CORPORATION 33587 Walker Road, Avon Lake, OH 44012 | |
| | | 1 (440) 930-1000 or 1 (844) 4AVIENT | |
| Emergency telephone number (with hours of operation) | : | CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident). | |

Section 2. Hazards identification

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. Some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

| OSHA/HCS status | : | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
|--|---|---|
| Classification of the substance or mixture | : | COMBUSTIBLE DUSTS CARCINOGENICITY - Category 2 |
| GHS label elements | | |
| Hazard pictograms | : | |
| | | V |

1/16

CARBON BLACK DC UTEC 6540



Version Number 1.0 Revision Date 04/22/2025 Page 2 of 16 Print Date 04/25/2025

| Signal word Hazard statements | : | Warning Suspected of causing cancer. May form combustible dust concentrations in air. |
|----------------------------------|---|--|
| Precautionary statements | | |
| Prevention | : | Not applicable. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. |
| Response | : | IF exposed or concerned: Get medical advice or attention. |
| Storage | : | Store locked up. |
| Disposal | : | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Supplemental label elements | : | Keep container tightly closed. |
| Hazards not otherwise classified | : | None known. |
| | | Not available. |

Section 3. Composition/information on ingredients

| Substance/mixture | : | Substance |
|-------------------------------|---|------------|
| Chemical name | : | Mixture |
| Other means of identification | : | CC10408815 |

CAS number/other identifiers

CAS number

Mixture

:

| Ingredient name | % | CAS number |
|-----------------|-----|------------|
| Carbon black | 100 | 1333-86-4 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the

CARBON BLACK DC UTEC 6540



Version Number 1.0 Revision Date 04/22/2025 Page 3 of 16 Print Date 04/25/2025

| Inhalation | : | upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
|--------------|---|---|
| Skin contact | : | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : | Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |

Most important symptoms/effects, acute and delayed

| Potential acute health effects | | |
|-------------------------------------|---|--|
| Eye contact | : | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. |
| Inhalation | : | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| Skin contact | : | No known significant effects or critical hazards. |
| Ingestion | : | No known significant effects or critical hazards. |
| Over-exposure signs/symptoms | | |
| Eye contact | : | Adverse symptoms may include the following: irritation redness |
| Inhalation | : | Adverse symptoms may include the following: respiratory tract irritation coughing |
| Skin contact | : | No specific data. |
| Ingestion | : | No specific data. |

CARBON BLACK DC UTEC 6540



Version Number 1.0 Revision Date 04/22/2025 Page 4 of 16 Print Date 04/25/2025

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

| Notes to physician Specific treatments | : | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment. |
|---|---|--|
| Protection of first-aiders | : | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

| Suitable extinguishing media Unsuitable extinguishing media | : | Use dry chemical powder. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
|--|---|---|
| Specific hazards arising from the chemical | : | May form explosible dust-air mixture if dispersed. |
| Hazardous thermal decomposition products | : | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Special protective actions for fire- fighters | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire- exposed containers cool. |
| Special protective equipment for fire-fighters | : | Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is |
|-----------------------------|---|--|
|-----------------------------|---|--|

CARBON BLACK DC UTEC 6540



Version Number 1.0 Revision Date 04/22/2025 Page 5 of 16 Print Date 04/25/2025

| For emergency responders | : | inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". | |
|---|---|--|--|
| Environmental precautions | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). | |
| Methods and materials for containment and cleaning up | | | |
| Small spill | : | Move containers from spill area. Use spark-proof tools and explosion- proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. | |
| Large spill | : | Move containers from spill area. Use spark-proof tools and explosion- proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. | |

Section 7. Handling and storage

Precautions for safe handling

| Protective measures | : | Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse |
|---------------------|---|--|
| | | containers retain product residue and can be hazardous. Do not reuse |

CARBON BLACK DC UTEC 6540



Version Number 1.0 Revision Date 04/22/2025

Page 6 of 16 Print Date 04/25/2025

| Advice on general occupational hygiene | : | container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
|---|---|---|
| Conditions for safe storage, including any incompatibilities | : | Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in a well-ventilated place. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |

Section 8. Exposure controls/personal protection

:

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits | |
|-----------------|--------------------------------------|--|
| Carbon black | OSHA PEL 1989 (1989-03-01) | |
| | TWA 3.5 mg/m3 | |
| | OSHA PEL (1993-06-30) | |
| | TWA 3.5 mg/m3 | |
| | NIOSH REL (1994-06-01) | |
| | TWA 3.5 mg/m3 | |
| | NIOSH REL (1994-06-01) | |
| | TWA 0.1 mgPAH/m ³ | |
| | ACGIH TLV (2010-12-06) | |
| | TWA 3 mg/m3 Form: Inhalable fraction | |
| | - | |

Appropriate engineering controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

CARBON BLACK DC UTEC 6540



Version Number 1.0 Revision Date 04/22/2025 Page 7 of 16 Print Date 04/25/2025

| Environmental exposure controls | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
|---------------------------------|---|--|
| Individual protection measures | | |
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles. |
| Skin protection | | |
| Hand protection | : | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Body protection | : | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Other skin protection | : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection | : | Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. |

Section 9. Physical and chemical properties

CARBON BLACK DC UTEC 6540

Version Number 1.0 Revision Date 04/22/2025

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Page 8 of 16 Print Date 04/25/2025

Appearance

| Color:BLACKOdor:Not available.Odor threshold:Not available.pH:Not available.Burning point:Not available.Flash point:Not available.Burning time:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Not available.Vapor pressure:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available. | Physical state | : | solid [Very fine powder.] |
|--|--|---|---|
| Odor threshold:Not available.pH:Not available.Melting point:Not available.Boiling point:Not available.Flash point:Not available.Burning time:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Upper: Not applicable.Vapor pressure:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Decomposition temperature:Not available. | Color | : | BLACK |
| pH:Not available.Melting point:Not available.Boiling point:Not available.Flash point:Not available.Burning time:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available. | Odor | : | Not available. |
| Melting point:Not available.Boiling point:Not available.Flash point:Not available.Flash point:Not available.Burning time:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Decomposition temperature:Not available. | Odor threshold | : | Not available. |
| Boiling point:Not available.Boiling point:Not available.Flash point:Not available.Burning time:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Decomposition temperature:Not available. | рН | : | Not available. |
| Flash point:Not applicable.Burning time Burning rate Evaporation rate Flammability (solid, gas) Lower and upper explosive (flammable) limits:Not available.Vapor pressure Vapor density:Not available.Relative density Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature:Not available.Decomposition temperature:Not available. | Melting point | : | Not available. |
| Burning time Burning rate:Not available.Burning rate Evaporation rate Flammability (solid, gas) Lower and upper explosive (flammable) limits:Not available.Flammability (solid, gas) Lower and upper explosive (flammable) limits:Not available.Vapor pressure Vapor density:Not available.Relative density Solubility ility in water Partition coefficient: n- octanol/water Auto-ignition temperature:Not available.Decomposition temperature:Not available. | Boiling point | : | Not available. |
| Burning rate:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Lower: Not applicable.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Decomposition temperature:Not available.Decomposition temperature:Not available. | Flash point | : | Not applicable. |
| Burning rate:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Lower: Not applicable.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Decomposition temperature:Not available.Decomposition temperature:Not available. | | | |
| Burning rate:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Lower: Not applicable.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Decomposition temperature:Not available.Decomposition temperature:Not available. | Puming time | | Not available |
| Evaporation rate Flammability (solid, gas):Not available.Lower and upper explosive (flammable) limits:Not available.Lower: Not applicable.:Lower: Not applicable.Vapor pressure Vapor density:Not available.Relative density Solubility ility in water Partition coefficient: n- octanol/water Auto-ignition temperature:Not available.Decomposition temperature:Not available. | | • | |
| Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not applicable.(flammable) limits:Lower: Not applicable.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Decomposition temperature:Not available. | 8 | • | |
| Lower and upper explosive (flammable) limits:Lower: Not applicable.(flammable) limits:Upper: Not applicable.Vapor pressure Vapor density:Not available.Relative density Solubility:Not available.Relative density Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature:Not available.Decomposition temperature:Not available. | | | |
| (flammable) limitsUpper: Not applicable.Vapor pressure Vapor density:Not available.Vapor density:Not applicable.Relative density Solubility:Not available.Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature:Not available.Decomposition temperature:Not available. | | • | |
| Vapor pressure Vapor density:Not available.Relative density Solubility:Not applicable.Relative density Solubility:Not available.Solubility Partition coefficient: n- octanol/water Auto-ignition temperature:Not available.Decomposition temperature:Not available. | | • | 11 |
| Vapor density:Not applicable.Relative density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Auto-ignition temperature:Not applicable.Decomposition temperature:Not available. | (manimable) mints | | Opper. Not applicable. |
| Relative density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Auto-ignition temperature:Not applicable.Decomposition temperature:Not available. | | | |
| Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Auto-ignition temperature:Not applicable.Decomposition temperature:Not available. | Vapor pressure | : | Not available. |
| Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Auto-ignition temperature:Not applicable.Decomposition temperature:Not available. | | | |
| Solubility in water:Not available.Partition coefficient: n- octanol/water:Not applicable.Auto-ignition temperature:Not applicable.Decomposition temperature:Not available. | Vapor density | | Not applicable. |
| Partition coefficient: n- octanol/water:Not applicable.Auto-ignition temperature:Not applicable.Decomposition temperature:Not available. | Vapor density Relative density | | Not available. |
| octanol/water Auto-ignition temperature:Not applicable.Decomposition temperature:Not available. | Vapor density Relative density Solubility | | Not applicable. Not available. Not available. |
| Decomposition temperature : Not available. | Vapor density Relative density Solubility Solubility in water | : | Not applicable. Not available. Not available. Not available. |
| Decomposition temperature : Not available. | Vapor density Relative density Solubility Solubility in water Partition coefficient: n- | : | Not applicable. Not available. Not available. Not available. |
| 2 composition composition of a second second | Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water | : | Not applicable. Not available. Not available. Not available. Not applicable. |
| 2 composition composition of a second second | Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water | : | Not applicable. Not available. Not available. Not available. Not applicable. |
| | Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature | : | Not applicable. Not available. Not available. Not available. Not applicable. Not applicable. |
| | Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature | : | Not applicable. Not available. Not available. Not available. Not applicable. Not applicable. |
| • • | Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature SADT | | Not applicable. Not available. Not available. Not available. Not applicable. Not applicable. Not available. Not available. |
| Kinematic: Not applicable. | Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature | : | Not applicable. Not available. Not available. Not available. Not applicable. Not applicable. Not available. Not available. Dynamic: Not available. |

Section 10. Stability and reactivity

| Reactivity | : | No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|---|--|
| Chemical stability | : | Stable under recommended storage and handling conditions (see Section 7). |
| Possibility of hazardous reactions | : | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : | Avoid the creation of dust when handling and avoid all possible |

CARBON BLACK DC UTEC 6540



Version Number 1.0 Revision Date 04/22/2025 Page 9 of 16 Print Date 04/25/2025

| | | sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers |
|-------------------------------------|---|--|
| | | and equipment before transferring material. Prevent dust |
| | | accumulation. |
| Incompatible materials | : | Reactive or incompatible with the following materials: oxidizing materials |
| Hazardous decomposition products | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Information on toxicological effects

| Acute toxicity | | | | |
|-------------------------|-----------|------------------------|--------------|----------|
| Product/ingredient name | Result | Species | Dose | Exposure |
| Carbon black | | | | |
| | LD50 Oral | Rat | 15,400 mg/kg | - |
| Conclusion/Summary | : Mixt | ure.Not fully tested. | | |
| Irritation/Corrosion | | | | |
| Conclusion/Summary | | | | |
| Skin | | ture.Not fully tested. | | |
| Eyes | | ture.Not fully tested. | | |
| Respiratory | : Mix | ture.Not fully tested. | | |
| <u>Sensitization</u> | | | | |
| Conclusion/Summary | | | | |
| Skin Domination | | ture.Not fully tested. | | |
| Respiratory | : Mix | ture.Not fully tested. | | |
| <u>Mutagenicity</u> | | | | |
| Conclusion/Summary | : Mix | ture.Not fully tested. | | |
| Carcinogenicity | | | | |
| Conclusion/Summary | : Mix | ture.Not fully tested. | | |
| Classification | | | | |

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Carbon black | - | 2B | - |
| | | | |

CARBON BLACK DC UTEC 6540

Version Number 1.0 Revision Date 04/22/2025



Page 10 of 16 Print Date 04/25/2025

| Reproductive toxicity | | |
|--|--------|--|
| Conclusion/Summary | : | Mixture.Not fully tested. |
| <u>Teratogenicity</u> | | |
| Conclusion/Summary | : | Mixture.Not fully tested. |
| Specific target organ toxicity (single Not available. | expo | <u>sure)</u> |
| Specific target organ toxicity (repeat Not available. | ted e | xposure) |
| Aspiration hazard Not available. | | |
| Information on the likely routes of exposure | : | Not available. |
| Potential acute health effects | | |
| Eye contact | : | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. |
| Inhalation | : | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| Skin contact Ingestion | : | No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Symptoms related to the physical, ch | nemio | cal and toxicological characteristics |
| Eye contact | : | Adverse symptoms may include the following: irritation, redness |
| Inhalation | : | Adverse symptoms may include the following: respiratory tract irritation, coughing |
| Skin contact | : | No specific data. |
| Ingestion | : | No specific data. |
| Delayed and immediate effects and a | also c | hronic effects from short and long term exposure |
| Short term exposure | | |
| Potential immediate effects | : | Not available. |
| Potential delayed effects | : | Not available. |
| Long term exposure | | |
| | | |

CARBON BLACK DC UTEC 6540

Version Number 1.0 Revision Date 04/22/2025



Page 11 of 16 Print Date 04/25/2025

| Potential immediate effects Potential delayed effects | : | Not available. Not available. | |
|--|---|--|--|
| Potential chronic health effects | | | |
| Conclusion/Summary | : | Mixture.Not fully tested. | |
| General | : | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. | |
| Carcinogenicity | : | Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. | |
| Mutagenicity | : | No known significant effects or critical hazards. | |
| Teratogenicity | : | Not available. | |
| Developmental effects | : | Not available. | |
| Fertility effects | : | No known significant effects or critical hazards. | |
| Numerical measures of toxicity | | | |
| <u>Acute toxicity estimates</u> N/A | | | |
| Other information | : | This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture. | |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|------------------------------|-------------------------|----------|
| Carbon black | | | |
| | Acute EC50 37.563 Mg/l Fresh | Daphnia - Daphnia magna | 48 h |
| | water | | |

Conclusion/Summary

: Not available.

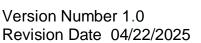
Persistence and degradability

Conclusion/Summary

: Not available.

Bioaccumulative potential

CARBON BLACK DC UTEC 6540





Page 12 of 16 Print Date 04/25/2025

Not available.

| Mobility in soil | | | | |
|--|---|---|--|--|
| Soil/water partition coefficient (KOC) | : | Not available. | | |
| Other adverse effects | : | No known significant effects or critical hazards. | | |

Section 13. Disposal considerations

Disposal methods The generation of waste should be avoided or minimized wherever : possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

| U.S.DOT 49CFR Ground/Air/Water | : | Not regulated for transportation. |
|-----------------------------------|---|---------------------------------------|
| International Air ICAO/IATA | : | Consult mode specific transport rules |
| International Water IMO/IMDG | : | Consult mode specific transport rules |

CARBON BLACK DC UTEC 6540

Version Number 1.0 Revision Date 04/22/2025

ÄVIENT

Page 13 of 16 Print Date 04/25/2025

Section 15. Regulatory information

| U.S. Federal regulations | : | United States - TSCA 12(b) - Chemical export notification: None of the components are listed. United States - TSCA 4(a) - Final Test Rules: Not listed United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - Department of commerce - Precursor chemical: Not listed |
|---|---|--|
| Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) | : | Not listed |
| Clean Air Act Section 602 Class I Substances | : | Not listed |
| Clean Air Act Section 602 Class II Substances | : | Not listed |
| DEA List I Chemicals (Precursor Chemicals) | : | Not listed |
| DEA List II Chemicals (Essential Chemicals) | : | Not listed |

CARBON BLACK DC UTEC 6540

Version Number 1.0 Revision Date 04/22/2025 Page 14 of 16 Print Date 04/25/2025

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

COMBUSTIBLE DUSTS CARCINOGENICITY - Category 2

Composition/information on ingredients

| Name | % | Classification |
|--------------|-----|------------------------------|
| Carbon black | 100 | CARCINOGENICITY - Category 2 |

Not applicable.

| State regulations | | |
|-------------------|---|--------------------------------------|
| Massachusetts | : | The following components are listed: |
| | | Carbon black |
| New York | : | None of the components are listed. |
| New Jersey | : | The following components are listed: |
| | | Carbon black |
| Pennsylvania | : | The following components are listed: |
| - | | Carbon black |

:

California Prop. 65

WARNING: This product can expose you to Carbon black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

| Ingredient name | No significant risk level | Maximum acceptable dosage level |
|-----------------|---------------------------|------------------------------------|
| Carbon black | - | - |

| United States inventory (TSCA 8b) | : | All components are active or exempted. | |
|---|---|--|--|
| Canada inventory | : | All components are listed or exempted. | |
| International regulations Inventory list | | | |
| Australia | : | All components are listed or exempted. | |
| Canada | : | All components are listed or exempted. | |
| China | : | All components are listed or exempted. | |
| 14/16 | | | |



CARBON BLACK DC UTEC 6540

Version Number 1.0 Revision Date 04/22/2025



Page 15 of 16 Print Date 04/25/2025

| Eurasian Economic Union | : | Russian Federation inventory: All components are listed or exempted. |
|-------------------------|---|---|
| Japan | : | Japan inventory (CSCL): All components are listed or exempted. |
| | | Japan inventory (ISHL): Not determined. |
| New Zealand | : | All components are listed or exempted. |
| Philippines | : | All components are listed or exempted. |
| Republic of Korea | : | All components are listed or exempted. |
| Taiwan | : | All components are listed or exempted. |
| Thailand | : | All components are listed or exempted. |
| Turkey | : | All components are listed or exempted. |
| United States | : | All components are active or exempted. |
| Viet Nam | : | All components are listed or exempted. |

Section 16. Other information

Hazardous Material Information System (U.S.A.)

| Health | * | 0 |
|------------------|---|---|
| Flammability | | 3 |
| Physical hazards | | 0 |
| | | |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

| Date of printing | : | 04/25/2025 |
|--------------------------------|---|--|
| Date of issue/Date of revision | : | 04/22/2025 |
| Date of previous issue | : | 00/00/0000 |
| Version | : | 1.0 |
| Key to abbreviations | : | ATE = Acute Toxicity Estimate |
| - | | BCF = Bioconcentration Factor |
| | | GHS = Globally Harmonized System of Classification and Labelling of |
| | | Chemicals |
| | | IATA = International Air Transport Association |
| | | IBC = Intermediate Bulk Container |
| | | IMDG = International Maritime Dangerous Goods |
| | | LogPow = logarithm of the octanol/water partition coefficient |
| | | MARPOL = International Convention for the Prevention of Pollution From |
| | | Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine |
| | | pollution) |
| | | UN = United Nations |
| References | : | Not available. |
| | | 15/16 |

CARBON BLACK DC UTEC 6540

Version Number 1.0 Revision Date 04/22/2025

Page 16 of 16 Print Date 04/25/2025

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