

**CARBON BLACK WITH DISPERSANT 8084**

Version        Revision Date:        SDS Number:        Date of last issue: 03/14/2018  
3.0              07/16/2019            400000002571        Date of first issue: 12/30/2016

**SECTION 1. IDENTIFICATION**

Product name                      : CARBON BLACK WITH DISPERSANT 8084

**Manufacturer or supplier's details**

Company name of supplier        : Venator Americas LLC  
Address                              : 10001 Woodloch Forest Drive  
    The Woodlands,  
    TX   77380  
    United States of America (USA)  
Telephone                         : (001) 844 831 6720  
Telefax                              : (001) 281 465 6731  
  
E-mail address of person         : msds@venatorcorp.com  
responsible for the SDS  
  
Emergency telephone number   : USA & Canada: +1-800-424-9300    Other Americas: +1-703-  
    741-5970    [CCN 820025]

**Recommended use of the chemical and restrictions on use**

Recommended use                 : Industrial use  
    Colouring agents, pigments

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

Combustible dust

**GHS label elements**

Signal word                        : Warning  
  
Hazard statements                : May form combustible dust concentrations in air.

**Other hazards**

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture              : Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
carbon black	1333-86-4	60 - 100

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The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES**

- General advice : Consult a physician.
- If inhaled : If breathed in, move person into fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact : Wash off with soap and water.  
Call a physician if irritation develops or persists.
- In case of eye contact : Rinse with water.  
If eye irritation persists, consult a specialist.
- If swallowed : Rinse mouth with water.  
If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Dust contact with the eyes can lead to mechanical irritation. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.  
The product is not irritant but as with all fine powders can absorb moisture and natural oils from the surface of the skin during prolonged exposure.  
Individuals with sensitive skin may experience skin drying on prolonged or repeated exposure.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water spray  
Foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet

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- Specific hazards during firefighting : It may not be obvious that carbon black is burning unless the material is stirred and sparks are apparent. Carbon black that has been on fire should be observed closely for at least 48 hours to ensure no smouldering material is present. Burning produces irritant fumes. The product is insoluble and floats on water. If possible, try to contain floating material. This material creates a fire hazard because it floats on water. May ignite other combustible materials.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Sulphur oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Avoid dust formation.  
Remove all sources of ignition.  
Material can create slippery conditions.  
Never return spills in original containers for re-use.  
Treat recovered material as described in the section "Disposal considerations".
- Environmental precautions : No special environmental precautions required.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.  
Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid creating dusty conditions and prevent wind dispersal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : Keep away from fire, sparks and heated surfaces.  
Minimize dust generation and accumulation.  
Avoid formation of respirable particles.

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Avoid inhalation, ingestion and contact with skin and eyes.  
Avoid exposure - obtain special instructions before use.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.  
Take precautionary measures against static discharges.

Conditions for safe storage            :    Keep container tightly closed in a dry and well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability            :    Keep in a dry place.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
carbon black	1333-86-4	TWA (Inhalable fraction)	3 mg/m <sup>3</sup>	ACGIH
		TWA	3.5 mg/m <sup>3</sup>	OSHA Z-1

**Engineering measures**            :    Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**

Respiratory protection            :    Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines

Hand protection  
Remarks                                :    For prolonged or repeated contact use protective gloves.

Eye protection                        :    Safety glasses  
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and 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.

Protective measures                 :    Wear suitable protective equipment.

Hygiene measures                    :    Wash hands before breaks and immediately after handling

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the product.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: powder
Colour	: black
Odour	: odourless
Odour Threshold	: No data is available on the product itself.
pH	: Concentration: 750 g/l
Freezing point	: No data is available on the product itself.
Melting point	: No data is available on the product itself.
Boiling point	: Not applicable
Flash point	: No data is available on the product itself.
Evaporation rate	: Not applicable
Flammability (solid, gas)	: No data is available on the product itself.
Flammability (liquids)	: No data is available on the product itself.
Upper explosion limit / Upper flammability limit	: No data is available on the product itself.
Lower explosion limit / Lower flammability limit	: No data is available on the product itself.
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: 1.7 - 1.9
Density	: No data is available on the product itself.
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data is available on the product itself.

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Partition coefficient: n-octanol/water : No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

Thermal decomposition : No data is available on the product itself.

Self-Accelerating decomposition temperature (SADT) : No data is available on the product itself.

Viscosity  
Viscosity, kinematic : Not applicable

Explosive properties : No data is available on the product itself.

Oxidizing properties : No data is available on the product itself.

Particle size : No data is available on the product itself.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Dust may form explosive mixture in air.  
Stable under recommended storage conditions.

Conditions to avoid : No data available

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Sulphur oxides

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : No data is available on the product itself.

**Acute toxicity****Components:**

carbon black:  
Acute oral toxicityComponents : LD50 (Rat, male and female): > 8,000 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The substance or mixture has no acute oral toxicity

**Components:**

carbon black:  
Acute inhalation toxicity : LC50 (Rat): > 4.6 mg/m<sup>3</sup>

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Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : No data available

Acute toxicity (other routes of administration) : No data available

**Skin corrosion/irritation****Components:**

carbon black:  
Species: Rabbit  
Exposure time: 4 h  
Assessment: No skin irritation  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Serious eye damage/eye irritation****Components:**

carbon black:  
Species: Rabbit  
Result: No eye irritation  
Assessment: No eye irritation  
Method: OECD Test Guideline 405

**Respiratory or skin sensitisation****Components:**

carbon black:  
Test Type: Buehler Test  
Exposure routes: Skin  
Species: Guinea pig  
Assessment: Does not cause skin sensitisation.  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.

Exposure routes: Respiratory Tract  
Species: Mouse  
Assessment: Does not cause respiratory sensitisation.  
Result: Does not cause skin sensitisation.

Assessment: No data available

**Germ cell mutagenicity****Components:**

carbon black:  
Genotoxicity in vitro : Test Type: sister chromatid exchange assay  
Test system: Chinese hamster ovary cells  
Concentration: 0.00032-1 mg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 479

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Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

**Components:**

carbon black:

Genotoxicity in vivo

: Test Type: in vivo assay  
Species: Rat (females)  
Cell type: Somatic  
Application Route: Inhalation  
Dose: 10 - 100 mg/kg  
Result: positive

Test Type: in vivo assay  
Species: Rat (females)  
Application Route: Inhalation  
Exposure time: 13 Weeks  
Dose: 1 - 50 mg/m<sup>3</sup>  
Result: negative

Test Type: in vivo assay  
Application Route: Oral  
Exposure time: 6 h  
Dose: 1%  
Method: OECD Test Guideline 477  
Result: negative

**Components:**

carbon black:

Germ cell mutagenicity-  
Assessment

: Contains no ingredient listed as a mutagen

Germ cell mutagenicity-  
Assessment

: No data available

**Carcinogenicity****Components:**

carbon black:

Species: Mouse, female  
Application Route: Inhalation  
Exposure time: 13.5 month(s)  
Dose: 7.5 - 12 mg/m<sup>3</sup>  
Frequency of Treatment: 5 daily  
Method: OECD Test Guideline 451



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Result: negative

Species: Mouse, male and female  
Application Route: Dermal  
Exposure time: 18 month(s)  
Frequency of Treatment: 3 daily  
Result: negative

Species: Rat, female  
Application Route: Oral  
Exposure time: 24 month(s)  
Dose: 52 mg/kg  
Frequency of Treatment: 7 daily  
Result: negative

Species: Rat, male and female  
Application Route: Inhalation  
Exposure time: 24 month(s)  
Dose: 7,5 - 12,2 mg/m<sup>3</sup>  
Frequency of Treatment: 5 daily  
Method: OECD Test Guideline 451  
Result: positive  
Target Organs: Lungs

Species: Mouse  
Application Route: Dermal  
Exposure time: 9 - 24 month(s)  
Dose: 6 - 60%  
Frequency of Treatment: 2 daily  
Method: OECD Test Guideline 451  
Result: negative

Species: Mouse, male and female  
Application Route: Oral  
Exposure time: 12 - 18 month(s)  
Dose: 10%  
Frequency of Treatment: 7 daily  
Result: negative

Species: Rat, male and female  
Application Route: Inhalation  
Exposure time: 24 month(s)  
Dose: 2,5 mg/m<sup>3</sup>  
Frequency of Treatment: 16 hr/day, 5 d/wk  
Method: OECD Test Guideline 451  
Result: positive  
Target Organs: Lungs

**Components:**

carbon black:

Carcinogenicity -  
Assessment

: Weight of evidence does not support classification as a carcinogen  
Tumours produced in rats on inhalation of very high concentrations are believed to be the result of prolonged "lung overload" and are not considered relevant to man.

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**IARC**      Group 2B: Possibly carcinogenic to humans  
carbon black

**ACGIH**      Confirmed animal carcinogen with unknown relevance to humans  
carbon black

**OSHA**      No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**      No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Effects on fertility      : No data available

Effects on foetal development      : No data available

Reproductive toxicity - Assessment      : No data available

**STOT - single exposure**

No data available

**STOT - repeated exposure****Components:**

carbon black:  
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity****Components:**

carbon black:  
Species: Mouse, male and female  
NOEL: > 1000000 mg/kg  
Application Route: oral (feed)  
Exposure time: 12 - 18 months  
Number of exposures: continuously

Species: Rat, females  
NOEL: 52 mg/kg  
Application Route: oral (feed)  
Exposure time: 52 Weeks  
Number of exposures: Continuously  
Dose: 2.05 g/kg

Species: Mouse, females  
NOEL: 137 mg/kg  
Application Route: oral (feed)

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Exposure time: 52 Weeks  
Number of exposures: Continuously  
Dose: 2.05 g/kg  
Method: OECD Test Guideline 413

Species: Rat, male and female  
LOEC: 2.5 mg/m<sup>3</sup>  
Application Route: inhalation (dust/mist/fume)  
Exposure time: 24 Months  
Number of exposures: 16 h/day, 5 days/wk  
Dose: 2.5 or 6.5 mg/m<sup>3</sup>  
Method: OECD Test Guideline 452  
Target Organs: Lungs

Species: Mouse, male and female  
Application Route: Dermal  
Number of exposures: 3 times/week  
Dose: 20%  
Symptoms: see user defined free text

Repeated dose toxicity - : No data available  
Assessment

**Aspiration toxicity**

No data available

**Experience with human exposure**

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

**Toxicology, Metabolism, Distribution**

No data available

**Neurological effects**

No data available

**Further information**

Ingestion: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:**

carbon black:  
Toxicity to fish : LC50: > 1,000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

**Components:**

carbon black:  
Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 5,600 mg/l  
aquatic invertebrates Exposure time: 24 h  
Method: OECD Test Guideline 202

**Components:**

carbon black:  
Toxicity to algae/aquatic : ErC50: > 10,000 mg/l  
plants Exposure time: 72 h

M-Factor (Acute aquatic : No data available  
toxicity)

Toxicity to fish (Chronic : No data available  
toxicity)

Toxicity to daphnia and other : No data available  
aquatic invertebrates  
(Chronic toxicity)

M-Factor (Chronic aquatic : No data available  
toxicity)

**Components:**

carbon black:  
Toxicity to microorganisms : IC0: > 800 mg/l  
Exposure time: 3 h  
Method: No information available.

Toxicity to soil dwelling : No data available  
organisms

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial : No data available  
organisms

Ecotoxicology Assessment

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Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

**Persistence and degradability**

Biodegradability - Product : Result: Not readily biodegradable.

Biochemical Oxygen Demand (BOD) : No data available

Chemical Oxygen Demand (COD) : No data available

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon (DOC) : No data available

Physico-chemical removability : No data available

Stability in water : No data available

Photodegradation : No data available

Impact on Sewage Treatment : No data available

**Bioaccumulative potential**

Bioaccumulation - Product : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : No data available

**Mobility in soil**

Mobility : No data available

Distribution among environmental compartments : No data available

Stability in soil : No data available

**Other adverse effects**

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Environmental fate and pathways : No data available

Results of PBT and vPvB assessment - Product : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting potential : No data available

Adsorbed organic bound halogens (AOX) : No data available

**Hazardous to the ozone layer**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

Global warming potential (GWP) : No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of wastes in an approved waste disposal facility.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA**

Not regulated as dangerous goods

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**IMDG**

Not regulated as dangerous goods

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****DOT Classification**

Not regulated as dangerous goods

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**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

**California Prop. 65**

WARNING: This product can expose you to chemicals including carbon black, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:**

CH INV : On the inventory, or in compliance with the inventory  
DSL : All components of this product are on the Canadian DSL  
AICS : On the inventory, or in compliance with the inventory  
NZIoC : On the inventory, or in compliance with the inventory  
ENCS : On the inventory, or in compliance with the inventory  
KECI : On the inventory, or in compliance with the inventory  
PICCS : On the inventory, or in compliance with the inventory  
IECSC : On the inventory, or in compliance with the inventory  
TCSI : On the inventory, or in compliance with the inventory  
TSCA : All substances listed as active on the TSCA inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**TSCA - 5(a) Significant New Use Rule List of Chemicals**

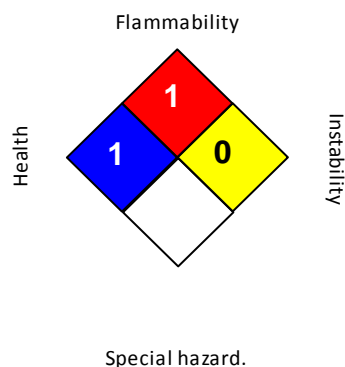
No substances are subject to a Significant New Use Rule.

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

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No substances are subject to TSCA 12(b) export notification requirements.

**SECTION 16. OTHER INFORMATION****Further information****NFPA 704:****HMIS® IV:**

<b>HEALTH</b>	*	<b>1</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

The information provided in this 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.

LABEL CODE : 0015

Sources of key data used to compile the Safety Data Sheet : Information taken from reference works and the literature.,  
 Information derived from practical experience.

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ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1  
 Limits for Air Contaminants  
 ACGIH / TWA : 8-hour, time-weighted average  
 OSHA Z-1 / TWA : 8-hour time weighted average

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