

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Starburst® Black

Version	Revision Date:	SDS Number:	Date of last issue: 09/28/2020
2.0	01/03/2024	000000742452	Date of first issue: 09/28/2020

SECTION 1. IDENTIFICATION

Product name : Starburst® Black

Product code : 000000000059014334

Manufacturer or supplier's details

Company name of supplier : Colorbiotics, LLC

Address : 201 POLITO AVE
Lyndhurst NJ 07071

Emergency telephone : ChemTel: +1-813-248-0585

Recommended use of the chemical and restrictions on use

Recommended use : Colorant for mulch

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : aqueous dispersion

Components

Chemical name	CAS-No.	Concentration (% w/w)
Carbon black	1333-86-4	>= 30 - < 50

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : Remove contaminated clothing.

If inhaled : Keep patient calm, remove to fresh air.

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In case of skin contact	:	Wash thoroughly with soap and water
In case of eye contact	:	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If swallowed	:	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Most important symptoms and effects, both acute and delayed	:	None known.
Notes to physician	:	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO ₂)
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion products	:	nitrogen oxides
Further information	:	Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and chemical-protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.
Environmental precautions	:	Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.
Methods and materials for containment and cleaning up	:	Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

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SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : No special precautions necessary.
- Advice on safe handling : No special measures necessary if stored and handled correctly.
Ensure thorough ventilation of stores and work areas.
When using do not eat, drink or smoke.
Hands and/or face should be washed before breaks and at the end of the shift.
- Conditions for safe storage : Keep away from heat.
Protect from direct sunlight.
Store protected against freezing.
- Materials to avoid : Segregate from foods and animal feeds.
- Recommended storage temperature : > 39 °F / > 4 °C
- Further information on storage stability : PROTECT FROM FREEZING DURING THE COLD-SEASON (BELOW 40°F / 5°C).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Carbon black	1333-86-4	TWA (Inhalable particulate matter)	3 mg/m ³	ACGIH
		TWA	3.5 mg/m ³	NIOSH REL
		TWA	3.5 mg/m ³	OSHA Z-1
		TWA	3.5 mg/m ³	OSHA P0
		TWA	0.1 mg/m ³ (PAHs)	NIOSH REL

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Wear appropriate certified respirator when exposure limits may be exceeded.
Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours.

Hand protection

Remarks : Chemical resistant protective gloves. Manufacturer's direc-

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- tions for use should be observed because of great diversity of types.
- Eye protection : Wear safety glasses with side shields or goggles.
Wear face shield if splashing hazard exists.
- Skin and body protection : Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.
- Protective measures : Wearing of closed work clothing is recommended.
- Hygiene measures : Store work clothing separately.
Keep away from food, drink and animal feedingstuffs.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : viscous liquid
- Color : black
- Odor : mild, ammonia-like
- Odor Threshold : not determined
- pH : approx. 9 - 11 (68 °F / 20 °C)
- Melting point/freezing point : approx. 32 °F / 0 °C
- Boiling point : approx. 212 °F / 100 °C
- Flash point : No flash point - Measurement made up to the boiling point.
- Evaporation rate : Not applicable
- Flammability (liquids) : not flammable
- Self-ignition : not self-igniting
- Upper explosion limit / Upper flammability limit : As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
- Lower explosion limit / Lower flammability limit : As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance

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	with the intended use.
Vapor pressure	: approx. 23 hPa (68 °F / 20 °C) (for a component of this mixture)
Relative vapor density	: Not applicable
Relative density	: No data available
Density	: approx. 1.26 g/cm ³ (68 °F / 20 °C)
Solubility(ies)	
Water solubility	: dispersible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: Not applicable
Autoignition temperature	: Not applicable
Decomposition temperature	: No decomposition if stored and handled as prescribed/indicated.
Viscosity	
Viscosity, dynamic	: approx. 500 mPa.s (68 °F / 20 °C)
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: not fire-propagating
Sublimation point	: No data available
Molecular weight	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability	: The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	: No hazardous reactions if stored and handled as prescribed/indicated.
Conditions to avoid	: See SDS section 7 - Handling and storage.
Incompatible materials	: Strong acids

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Strong bases
Strong oxidizing agents

Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Skin corrosion/irritation

Not classified due to lack of data.

Serious eye damage/eye irritation

Not classified due to lack of data.

Respiratory or skin sensitization

Skin sensitization

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

IARC Group 2B: Possibly carcinogenic to humans
Carbon black

1333-86-4

Reproductive toxicity

Not classified due to lack of data.

STOT-single exposure

Not classified due to lack of data.

STOT-repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

Further information

Product:

Remarks : Misuse can be harmful to health.
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with national, state and local regulations.
Do not discharge into drains/surface waters/groundwater.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

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Not regulated as a dangerous good

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

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

US State Regulations

Pennsylvania Right To Know

Carbon black	1333-86-4
ammonia, aqueous solution	1336-21-6
acrylic acid	79-10-7

New Jersey Right To Know

Carbon black	1333-86-4
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California Prop. 65

Risk assessment: Based on an evaluation of the product's composition and use(s), this product does not require a California Proposition 65 Warning.

The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

DSL : All components of this product are on the Canadian DSL

SECTION 16. OTHER INFORMATION

Further information

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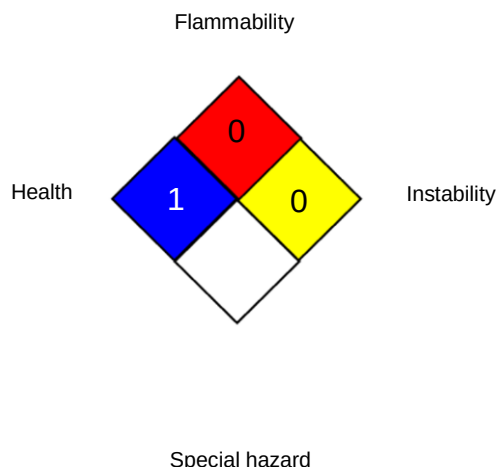
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NFPA 704:



HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

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.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level;

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NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 01/03/2024

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.

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