# SAFETY DATA SHEET

**Version: 5.0 Date: August 2026**

**ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878, and United States Regulation 29 CFR 1910**

| Section 1: Identification | | |
|---|---|---|
| 1.1 | Product identifier<br>Product Name | **NOXsorb** |
| | Product Code | NOX |
| **1.2** | Relevant identified uses of the substance or mixture and uses advised against | |
| | Identified Use(s) | Gas-phase air filtration |
| | Uses Advised Against | Do not use for applications other than those specified. |
| **1.3** | Company Identification Details of the supplier of the safety data sheet | **Pure Air Filtration, LLC**<br>6050 Peachtree Parkway<br>Suite 240-187<br>Atlanta, GA 30092 USA |
| | Telephone | +1 (678) 935-1431; Office Hours are Monday through Friday, 8:00AM to 5:00PM Eastern Standard Time |
| | Fax | +1 (678) 935-0648 |
| | E-Mail | info@pureairfiltration.com |
| **1.4** | Emergency telephone number | **VelocityEHS**<br>1-800-255-3924 (United States, Canada, Puerto Rico, U.S. Virgin Islands)<br>+1-813-248-0585 (International, collect calls are accepted)<br>1-300-954-583 (Australia)<br>0-800-591-6042 (Brazil)<br>400-120-0751 (China)<br>000-800-100-4086 (India)<br>800-099-0731 (Mexico)<br><br>*The line is available 24 hours; in the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.* |
| | Language(s) spoken: | English |


© 2026 cleanwater1, inc. Subject to change without prior notice.

## Section 2: Hazard(s) Identification

**2.1**
**Classification of the substance or mixture GHS-US and Regulation (EC) No. 1272/2008 (CLP) and most important Hazards**

Skin Irrit. Category 2
Eye Irrit. Category 2

**2.2**

| | |
|---|---|
| **Label Element:** | According to Regulation (EC) No. 1272/2008 (CLP) |
| **Product Name:** | NOXsorb |
| **Contains:** | Activated Carbon, proprietary impregnant |

**Hazard Pictograms(s)**



**Signal Word(s)** Warning

**Hazard Statements**
H315: Causes skin irritation.
H319 & H320: Causes serious eye irritation.

**Precautionary Statements**
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves, protective clothing, and eye/face protection.
P303+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: IF SKIN irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

**Supplemental Information**
P401: Store in a cool, dry area in enclosed containers.

**Other Hazards**
If crushed or handled extensively, dust may evolve which can cause irritation to eyes and respiratory tract. Adding water can cause irritation to skin.
The following medical conditions may be aggravated by exposure to the products: asthma, chronic lung disease, and skin rashes.
If in a confined space, use appropriate safety precautions, as activated carbon can remove oxygen and cause hazard for workers in small space. Before entering space, check state and national guidelines for work in confined area.

**2.3**
**Hazards not otherwise classified (HNOC) or not covered by GHS**
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## Section 3: Composition/ Information on Ingredients

| Chemical Name | %W/W | CAS No. | EC No. | Hazard Statement(s) |
|---|---|---|---|---|
| Activated Carbon | 75- 85 | 7440-44-0 | 231-153-3 | Not Classified |
| Specific chemical identity withheld as a trade secret* | 5 - 10 | NA | NA | H302; H315; H319; H335 |


© 2026 cleanwater1, inc. Subject to change without prior notice.
6050 Peachtree Parkway, Suite 240-187
Norcross, GA 30092
678-935-1431 | Email: info@pureairfiltration.com

## Section 4: First-Aid Measures

**4.1**
**Description of first aid measures**

**Self-protection of the first aider:** Use personal protective equipment as required. Wear suitable protective clothing and gloves. Avoid contact with skin, eyes, or clothing. Do not breathe dust. Do not ingest. Take off contaminated clothing and wash before reuse.

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Gently wash with plenty of soap and water. Seek medical assistance if irritation persists.

**IF IN EYES:** Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. After rinsing affected eyes must be seen by an ophthalmologist.

**IF INHALED:** If breathing is difficult, move to fresh air and keep at rest in a position comfortable for breathing.
Seek medical attention if respiratory symptoms develop.

**IF SWALLOWED:** Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical assistance.

**4.2**
**Most important symptoms and effects, both acute and delayed**
If crushed or handled extensively, dust may evolve and can be irritating to the eyes, skin, or respiratory tract.
See Section 11 for additional Toxicological information.

**4.3**
**Indication of any immediate medical attention and special treatment needed**
**Notes to a physician:** Treat symptomatically. IF IN EYES: Obtain prompt consultation, preferably from an ophthalmologist.

## Section 5: Fire-Fighting Measures

**5.1**
**Suitable extinguishing media**
If possible, to do so safely, move smoldering activated carbon to a non-hazardous area, preferably outdoors. Extinguish fire with carbon dioxide, dry chemical, foam, or water spray. Alcohol resistant foams (ATC type) are preferred. Avoid stirring up dust clouds.

**Unsuitable extinguishing media**
Do not use high-pressure water jets that may scatter dust. None other known

**5.2**
**Special Hazards arising from the substance or mixture**
May decompose if heated. Burning produces irritant fumes. Not flammable but will support combustion.

Activated carbons have a high surface area which may cause self-heating during oxidation. Activated carbon is difficult to ignite and tends to burn slowly (smolder) without producing smoke or flame.
Materials allowed to smolder for long periods in enclosed spaces may produce amounts of carbon monoxide.

**5.3**
**Advice for firefighters**
Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

## Section 6: Accidental Release

**6.1**
**Personal precautions, Protective Equipment, and Emergency Procedures**
Ensure operatives are trained to minimize exposure. Ensure suitable personal protection during removal of spillages. Use personal protective equipment as required. See Section 8. Wear suitable protective clothing, gloves and eye/face protection. Avoid all contact. Avoid dust formation. Take off contaminated clothing and wash before reuse. Ensure adequate ventilation. Do not breathe dust. Do not ingest. If swallowed, then seek immediate medical assistance. In case of leakage, eliminate all ignition sources. Keep away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking.


© 2026 cleanwater1, inc. Subject to change without prior notice.
6050 Peachtree Parkway, Suite 240-187
Norcross, GA 30092
678-935-1431 | Email: info@pureairfiltration.com

**6.2**
**Environmental precautions**
Collect spillage. Inform authorities if spill cannot be contained.

**6.3**
**Methods and material for containment and cleaning up**
**Small Spillages**: Sweep up spilled substances and remove to safe place. Avoid dust generation.
Damp down to avoid dust generation.

Do not mix with combustible material. Clean up using dry procedures (broom, shovel, etc.); avoid dusting. If necessary, light water spray will reduce dust for dry sweeping, but over-wetting may produce very slippery walking surfaces. Transfer to a container for disposal. If the spilled carbon contains dust or has the potential to create dust, use explosion-proof vacuums and/or cleaning systems suitable for combustible dust. Dispose of unused material in a facility permitted for non-hazardous waste. Spent (used) carbon should be disposed of in accordance with applicable laws.

**6.4**
**Reference to other sections**
See also Section 8, 13

## Section 7: Handling and Storage

**7.1**
**Precautions for safe handling**
Ensure operators are trained to minimize exposures. Use personal protective equipment as required.
***See Section 8***. Wear suitable protective clothing, gloves, and eye/face protection. Avoid all contact. Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection. Do not eat, drink, or smoke when using this product. Wash hands before breaks and after work.

**7.2**
**Conditions for safe storage, including any incompatibilities.**
Do not store near combustible materials. Do not mix with combustible material. Not an oxidizer. But contact with strong oxidizers could intensity fire.

Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Control dust formation. No smoking. Do not store together with strong oxidizing agents or acids. Prior to entering a confined space that contains or previously contained activated carbon, the space should be evaluated for oxygen and carbon monoxide concentrations, and any other hazard, by a qualified person.

**Storage Temperature**
Keep only in the original container/package in a cool well-ventilated place. Should be stored inside, away from rainwater, etc.

**Incompatible materials**
Protect from moisture. Keep away from strong oxidizing substances, acids, and combustible materials.

**7.3**
**Specific end use(s)**
See Section 1.2.

## Section 8: Exposure Controls / Personal Protection

**8.1**
**Control Parameters Related to Substance – Activated Carbon**
ULS OSHA PEL (TWA) (15 mg/m$^3$ total; 5 mg/m$^3$ respirable)
ACGIH TLV: no specific TLV; PNOS — 10 mg/m³ inhalable,

**Occupational Exposure Limits**
**Dust, or Particulates, Substance Not Otherwise Specified:**
Austria MAK: 10 mg/m³, STEL 2x30 min, Inhalable dust; 5 mg/m³, TWA, Inhalable dust
Belgium: 10 mg/m³, TWA Inhalable; 3 mg/m³, TWA Respirable
Canada (Saskatchewan): 10 mg/m³, TWA Inhalable; 3 mg/m³, TWA, Respirable
China: 8 mg/m³, TWA; 10 mg/m³, STEL
France: 10 mg/m³ TWA Inhalable dust; 5 mg/m³, TWA Respirable dust
Germany - TRGS 900: 10 mg/m³, TWA, Inhalable; 1.25 mg/m³, Respirable fraction
Hong Kong: 10 mg/m³, TWA


© 2026 cleanwater1, inc. Subject to change without prior notice.
6050 Peachtree Parkway, Suite 240-187
Norcross, GA 30092
678-935-1431 | Email: info@pureairfiltration.com

Ireland PELs: 10 mg/m³, TWA Total inhalable; 4 mg/m³, TWA Respirable
Italy: 10 mg/m³, TWA Inhalable; 3 mg/m³, TWA Respirable
Japan: 3 mg/m³ TWA Respirable
Malaysia: 10 mg/m³, TWA Inhalable; 3 mg/m³, TWA Respirable
The Netherlands: 3.5 mg/m³, Inhalable
Spain: 10 mg/m³, VLA, Inhalable; 3 mg/m³, VLA, Respirable
Sweden: 10 mg/m³, NGV, Total inhalable; 5 mg/m³, NGV, Respirable
United Kingdom - WEL: 10 mg/m³, TWA, Total Inhalable dust; 4 mg/m³, TWA, Respirable dust
US ACGIH - PNOS: 10 mg/m³, TWA Inhalable; 3 mg/m³, TWA Respirable
US OSHA - PEL: 15 mg/m³, TWA Total dust; 5 mg/m³, TWA Respirable

**Biological Limit Value:**
None known.

**PNECs and DNELs**
Not applicable.

**8.2**
**Exposure Controls**
**Appropriate Engineering Controls**
Ensure operators are trained to minimize exposures. Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection. Good hygiene practices and housekeeping measures. A washing facility/water for eye and skin cleaning purposes should be present. Preferably use engineering controls to keep exposures below the OEL or DNEL.

**8.3**
**Environmental Exposure Controls**
Prevent release to the environment.

**8.4**
**Personal Protection Equipment (PPE)**
Individual protection measures, such as personal protective equipment (PPE).

Use personal protective equipment as required. Wear suitable protective clothing, gloves, and eye/face protection. Keep good industrial hygiene. Do not breathe dust. Avoid all contact. Wash hands before breaks and after work. Keep work clothes separately. Take off contaminated clothing and wash before reuse. Do not eat, drink, or smoke at the workplace.

Protective clothing should be selected specifically for the working place, depending on the concentration and quantity of the hazardous substances handled. The resistance of protective clothing to chemicals should be ascertained with the respective supplier.

| Eye / Face Protection | Hand & Skin Protection | Respiratory Protection |
|---|---|---|
| Use eye protection according to EN 166, designed to protect against dust.<br><br>**For Small Quantities:**<br>Not Normally Required | Wear gloves to EN374 to protect against skin effects from powders.<br><br>Wear suitable coveralls to prevent exposure to the skin. | Respiratory protective devices with a particle filter may be necessary if local exhaust ventilation is not adequate. |

## Section 9: Physical and Chemical Properties

**9.1**
**Basic physical and chemical properties**

| | |
|---|---|
| **Physical state:** | Solid cylindrical pellets |
| **Color:** | Black |
| **Odor threshold:** | Not applicable -material is odorless |
| **Melting point/melting range:** | Not applicable |
| **Boiling point/boiling range:** | Not applicable |
| **Evaporation rate:** | Not applicable-solid granular sorbent |
| **Flammability:** | Not flammable |
| **Lower and upper explosion limits:** | Not explosive. |
| **Flash point:** | Not applicable |
| **Auto ignition temperature:** | Not available |
| **Decomposition temperature:** | Not available |


© 2026 cleanwater1, inc. Subject to change without prior notice.
6050 Peachtree Parkway, Suite 240-187
Norcross, GA 30092
678-935-1431 | Email: info@pureairfiltration.com

| | |
|---|---|
| **pH:** | Not available |
| **Kinematic viscosity:** | Not applicable |
| **Solubility:** | Not soluble in water |
| **Partition coefficient** n-octanol/water (log value): | Not applicable |
| **Vapor pressure:** | Not applicable -solid |
| **Vapor density:** | Not applicable |
| **Bulk density:** | ~ 30- 38 lbs/ft$^3$, 480-610 kg/m$^3$ |
| **Relative density:** | Not available |
| **Particle Characteristics:** | Median particle diameter 4mm |

**9.2**
**Other Information**
**Oxidizing Properties:** Not an oxidizer

## Section 10: Stability and Reactivity

**10.1**
**Reactivity**
May react exothermically upon contact with strong oxidizers or high concentration acids.

**10.2**
**Chemical stability**
Stable under normal conditions

**10.3**
**Possibility of hazardous reactions**
None under normal processing. Exposure to excessive heat and high concentration acids may release sulfur dioxide.

**10.4**
**Conditions to avoid**
Dust formation. Eliminate sources of ignition. Protect from moisture, heat, damage, high temperatures, and sunlight.

**10.5**
**Incompatible materials**
High concentration acids. Strong oxidizing agents.

**10.6**
**Hazardous decomposition products**
Materials allowed to smolder for long periods in enclosed spaces may produce amounts of carbon monoxide. Used activated carbon may produce additional combustion products which are based on the substance(s) adsorbed.
Exposure to excessive heat and high concentration acids may release sulfur dioxide.

## Section 11: Toxicological Information

**11.1**
**Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| | |
|---|---|
| **Acute toxicity – Ingestion** | Based on available data, the classification criteria are not met.<br>Acute Toxicity Estimate Mixture Calculation: LD50 > 2,000 mg/kg bw/day. |
| **Acute toxicity – Inhalation** | Based on available data, the classification criteria are not met.<br>Alumina Acute Toxicity Estimate Mixture Calculation: LC50 > 20 mg/l |
| **Acute toxicity – Skin contact** | Based on available data, the classification criteria are not met.<br>Acute Toxicity Estimate Mixture Calculation: LD50 > 2,000 mg/kg bw/day. |
| **Skin corrosion/irritation** | Skin Irrit. 2. |
| **Serious eye damage/irritation** | Eye Irrit. 2 |
| **Respiratory or skin sensitization** | Based on available data, the classification criteria are not met. |
| **Germ cell mutagenicity** | Based on available data, the classification criteria are not met. |
| **Carcinogenicity** | Based on available data, the classification criteria are not met. |


© 2026 cleanwater1, inc. Subject to change without prior notice.
6050 Peachtree Parkway, Suite 240-187
Norcross, GA 30092
678-935-1431 | Email: info@pureairfiltration.com

| | |
|---|---|
| **Reproductive toxicity** | Based on available data, the classification criteria are not met. |
| **STOT – single exposure** | Based on available data, the classification criteria are not met. |
| **STOT – repeated exposure** | Based on available data, the classification criteria are not met. |
| **Aspiration hazard** | Not relevant – solid mixture. |

**11.2**
**Numerical toxicity values for hazardous ingredients**

**Activated carbon (CAS 7440-44-0):**
LD50 oral (rat) > 10,000 mg/kg
Inhalation — Study waived based on physical form of the substance.
LD50 dermal > 2,000 mg/kg

**11.3**
**Carcinogen listing status**
Activated carbon — NTP: Not listed. IARC: Not listed (activated carbon itself). OSHA: Not regulated as a carcinogen.

11.4
**Information on other hazards**
**Endocrine disrupting properties:** No substances identified as having endocrine-disrupting properties.
**Other information**: No data available.

## Section 12: Ecological Information

**12.1**
**Toxicity**
Nontoxic and non-hazardous. The substance is partially soluble in water and the substance is unlikely to cross biological membranes. No adverse ecological effects are known.

**12.2**
**Persistence and degradability**
No data for the mixture as a whole.

**12.3**
**Bioaccumulation**
No data for the mixture as a whole.

**12.4**
**Mobility in soil**
No data for the mixture as a whole.

**12.5**
**Results of PBT and vPvB Assessment**
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6**
**Endocrine Disrupting Properties**
No substances identified as having endocrine-disrupting properties.

**12.7**
**Other Adverse Effects**
None known.

## Section 13: Disposal Considerations

**13.1**
**Waste Disposal Methods**
Waste disposal should be in accordance with existing federal, state, and local environmental control regulations.


© 2026 cleanwater1, inc. Subject to change without prior notice.
6050 Peachtree Parkway, Suite 240-187
Norcross, GA 30092
678-935-1431 | Email: info@pureairfiltration.com

## Section 14: Transport Information

**14.1**
**Transportation Information**

| | ADR/RID/DOT | IMDG | IATA/ICAO |
|---|---|---|---|
| UN Number or ID Number | None | None | None |
| UN Proper Shipping Name | Not regulated | Not regulated | Not regulated |
| Transport Hazard Class(es) | None | None | None |
| Packing Group | None | None | None |
| Environmental Hazards | No | No | No |
| Special Precautions for User | None Known | None Known | None Known |

**14.2**
**Maritime transport in bulk according to IMO instruments**
The media contains activated carbon, which is produced by a steam activation process. Because of this the media is not subject to the provisions of the International Dangerous Goods Code (IMGD) or the labeling and packaging requirements of the International Maritime Organization (IMO) Class 4.2.

**14.3**
**Additional information**
None known.

## Section 15: Regulatory Information

**15.1**
**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**US Federal Regulations**
**SARA Title III - Section 312 (hazard category):** (40CFR370.2): Only expected as Acute (eye irritant), see section 11 TOXICOLOGICAL INFORMATION.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):** No
**TSCA (Toxic Substances Control Act):** No

**EU Regulations**
Not restricted for the intended use(s) of the product. Just note for classifications and labelling that it is an Xi-irritant.

**CoRAP Substance Evaluation**
N/A

**Other National Regulations**
Other Not Known. California Proposition 65 – Product does not contain known substances to cause cancer or reproductive harm.

**15.2**
**Chemical Safety Assessment**
A chemical safety assessment is not required under REACH.

## Section 16: Other Information

The following sections contain revisions or new statements: Updated substance / mixture classification. New SDS Regulation 2020/878 format, all sections have been updated to include new information. Please review SDS with care.

References: Existing Safety Data Sheet (SDS) Substance with harmonized classification and labelling according to Regulation (EC) No. 1272/2008, Annex VI.


© 2026 cleanwater1, inc. Subject to change without prior notice.
6050 Peachtree Parkway, Suite 240-187
Norcross, GA 30092
678-935-1431 | Email: info@pureairfiltration.com

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

**Date of last revision: 2026-08-27**

**16.1**
**The H-statements listed below apply to individual ingredients at pure-substance concentration. For the classification of this mixture as supplied, see Section 2.**

**Full list of H Statements**

| | |
|---|---|
| Skin Irrit. 2: Skin Irritation, Category 2 | H315: Causes skin damage. |
| Eye Irrit. 2: Eye irritation, Category 2 | H319 and H320: Causes eye damage. |

**16.2**
**LEGEND for acronyms used in this SDS / MSDS**

| | |
|---|---|
| **ADR** | European Agreement concerning the International Carriage of Dangerous Goods by Road CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| **CoRAP** | Community Rolling Action Plan |
| **DNEL** | Derived no effect level |
| **EC50** | Half maximal effective concentration |
| **ECHA** | European Chemicals Agency |
| **IATA** | International Air Transport Association |
| **ICAO** | International Civil Aviation Organization |
| **IMDG** | International Maritime Dangerous Goods |
| **LC50** | Lethal concentration at which 50% of the population is killed |
| **LD50** | Lethal dose at which 50% of the population is killed |
| **LTEL** | Long term exposure limit |
| **NMFC** | National Motor Freight Classification |
| **NIOSH** | National Institute for Occupational Safety and Health |
| **OEL** | Occupational exposure limits |
| **PBT** | Persistent, Bio accumulative and Toxic |
| **PEL** | Permissible Exposure Limit |
| **PNEC** | Predicted No Effect Concentration |
| **PNOR** | Particulates Not Otherwise Regulated |
| **REACH** | Registration, Evaluation, Authorization and Restriction of Chemicals |
| **RID** | Regulations concerning the international railway transport of dangerous goods STEL Short term exposure limit |
| **RoC** | Report on Carcinogens |
| **STEL** | Short-Term Exposure Limit |
| **TLV** | Threshold Limit Value |
| **TWA** | Time-Weighted Average |
| **vPvB** | very Persistent and very bioaccumulative. |

**Training advice:**
Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

**Disclaimers**
Information contained in this publication or as otherwise supplied to users is believed to be accurate and is given in good faith, but it is for the users to satisfy themselves of the suitability of the product for their own particular purpose. Pure Air Filtration, LLC. Gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Pure Air Filtration accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright, and Designs cannot be assumed.


© 2026 cleanwater1, inc. Subject to change without prior notice.
6050 Peachtree Parkway, Suite 240-187
Norcross, GA 30092
678-935-1431 | Email: info@pureairfiltration.com