

SAFETY DATA SHEET

SDS No. R0016

Version: 2
Date: 18-January-2023

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** LydAir® MG™ Filtration Media
- Grade List:** 1224, 1224-B, 1229, 1229-B, 1232, 1244, 1247, 1296, 1296-K, 1297, 1306, 1306-TX, 1381, 1495, 1495 L2, 1495-S, 1749, 1749-TX, 1871, 1871-TX, 1880, 1894, 1894-2, 1894-B, 1909, 1909-2, 1909-2(AX), 1909-L, 1915, 1915-S, 1923, 1923-2, 2220, 2221, 2221-2-R/O, 2339, 2400, 2956, 2991, 3192, 3215, 3215-S, 3242, 3255, 3255-WR, 3282, 3326, 3333, 3398, 3398L1W, 3398L2W, 3428, 3428-F, 3670, 4128, 4284, 4346, 4350, 4350-1, 4350-S, 4421, 4421-K, 4421-W, 4423, 4439-BNW, 4444, 4444-A, 4450, 4450-1, 4450-HS, 4452, 4452-N, 4453, 4453-A, 4470, 4470-HS, 4531, 4594-2, 4707, 4708, 4709, 5308, 5308W, 6550, 6550-HS, 6551, 6650, 6700, 6700-HS, 6850, 9866-R.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:** Filter media for the manufacture of air filters
- 1.3 Details of the supplier of the safety data sheet**
- Name:** Alkegen
Address: 134 Chestnut Hill Road
Rochester, NH USA 03867
Telephone number: 1-603-332-4600/4605
- 1.4 Emergency Telephone Number:** CHEMTREC: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

MOST IMPORTANT HAZARD: The product does not present any hazard for final use. However, during manufacturing or handling, respirable micro-fibers may be released and result in the classification of the product as hazardous.

OSHA/CLP/GHS Classification: Carcinogen Category 2
2.2 Label Elements
- Hazard pictograms:



-Signal words: Warning! Contains Glass Fiber Respirable Size
-Hazard statements: H351: Suspected of causing cancer
-Precautionary statements: P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood
P280: Wear eye protection, protective clothing, and protective gloves
P308+P313: IF exposed or concerned: Get medical advice.
P501: Dispose of container/contents to approved disposal site in accordance with all local and national regulations.
None

2.3 Other Hazards:

Refer to Section 16 for Full Text of GHS Classifications

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

| Substance name | Contents | CAS No. | EINECS No. | Classification |
|--|----------|-------------|-------------|-----------------------------|
| Chopped continuous strand fiberglass (> 5 microns in diameter) | 0-85% | 65997-17-3 | 266-046-0 | Not classified as dangerous |
| Special Purpose Glass Fiber Respirable Size | 6-90% | 65997-17-3 | 266-046-0 | Carc. 2 H351 |
| Polymer Binder | 3-30% | Proprietary | Proprietary | Not classified as dangerous |

Refer to Section 16 for Full Text of GHS Classifications

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye contact: Do not rub your eyes. Dust particles may cause abrasive eye injury. Flush eyes with water, holding the eyelids apart for several minutes. Get medical attention if irritation persists.

Skin contact: Do not rub or scratch. Rinse exposed skin with cold water then wash skin with soap and water. Do not use hot water as that opens skin pores and may increase fiber penetration and irritation. Remove contaminated clothing and launder before re-use. Get medical attention if irritation persists.

Inhalation: Remove victim to fresh air. Drink water to clear throat and blow nose to remove dust. Get medical attention if irritation persists.

Ingestion: If small quantities are swallowed, rinse out mouth with water. Drink plenty of water to help reduce irritation. If large amounts are swallowed or if irritation or discomfort occurs, get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: May cause eye irritation. May cause mild skin and respiratory irritation. Suspected of causing cancer.

4.3 Indication of any immediate medical attention and special treatment needed: No immediate treatment is normally required.

See Section 11 for more detailed information on health effects.

SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing Media:** Use water, water fog, carbon dioxide, foam or dry chemical.
- 5.2 Special Hazards Arising from the Substance or Mixture:** This product is not classified as flammable or combustible.
- 5.3 Advice for Fire-Fighters:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus for all fires involving chemical products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate protective clothing and equipment (see section 8). Avoid contact with skin, eyes or clothing. Do not breathe dust.
- 6.2 Environmental Precautions:** Avoid release to the environment.
- 6.3 Methods and Material for Containment and Cleaning Up:** Pick up material and place into a container for disposal. If dust is present, wet down and collect in a manner to minimize the generation of airborne dusts or vacuum with a high efficiency vacuum cleaner. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air.).
- 6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

SECTION 7: HANDLING and STORAGE

- 7.1 Precautions for Safe Handling** Avoid contact with eyes, skin and clothing. Avoid creating and breathing dusts. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Do not eat, drink or smoke when using this material. Launder contaminated clothing before re-use. Wash thoroughly with soap and water after handling. Minimize the generation and accumulation of dust. Follow good housekeeping practices.
- Empty containers retain product residues. Follow all SDS precautions in handling empty containers
- 7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry, well-ventilated area.
- 7.3 Specific end use(s):** Filter media for the manufacture of air filters.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

| | |
|--|--|
| Chopped continuous strand fiberglass (> 5 microns in diameter) | 5 mg/m3 (respirable) 15 mg/m3 (total dust) TWA OSHA PEL, 1 f/cc TWA OSHA HSPP* 5 mg/m3 inhalable or 1 f/cc TWA ACGIH TLV |
| Special Purpose Glass Fiber Respirable Size | 5 mg/m3 (respirable) 15 mg/m3 (total dust) TWA OSHA PEL, 1 f/cc TWA OSHA HSPP* |

| | |
|---|--|
| | 1 f/cc TWA ACGIH TLV |
| Polymer Binder (as particulates not otherwise classified) | 5 mg/m3 (respirable) 15 mg/m3 (total dust) TWA OSHA PEL |

* HSPP = OSHA voluntary Health and Safety Partnership Program

8.2 Exposure Controls:

- **Engineering Measures:** Use with adequate local exhaust ventilation to minimize exposures. Provide local exhaust ventilation where product is cut or processed in a manner that generates dust.
- **Respiratory Protection:** If the occupational exposure limits are exceeded or irritation is experienced, wear an approved particulate respirator. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use in accordance with all applicable regulations (in the US follow OSHA 1910.134) and good Industrial Hygiene practice.
- **Hand Protection:** Wear protective gloves to minimize skin contact. Barrier creams may be useful in reducing irritation.
- **Eye/face Protection:** Wear safety glasses with side shields or dust proof goggles.
- **Other Protective Clothing or Equipment:** Clothing with long sleeves and pants should be worn to avoid skin contact. Washing facilities should be available in the work area. Work clothing should be laundered separately from normal clothing.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

| | |
|---|------------------------------|
| Appearance: | White bonded fiberglass web. |
| Physical State: | Solid |
| Color: | White |
| Odor: | Odorless. |
| Odor Threshold: | Not determined |
| pH: | Not applicable |
| Melting/Freezing Point: | >700°C (glass fibre) |
| Boiling Point: | Not applicable |
| Flash Point: : | Not applicable |
| Flammability: | Not applicable |
| Relative Density: | Not determined |
| Evaporation Rate: | Not applicable |
| (n-butylacetate =1) | |
| % Volatile by Volume: | 0% |
| Lower Flammability Limit: | Not applicable |
| Upper Flammability Limit: | Not applicable |
| Vapor Pressure: | Not applicable |
| Vapor Density(Air=1): | Not applicable |
| Solubility: | Insoluble |
| Autoignition | |
| Temperature: | Not applicable |
| Decomposition | |
| Temperature: | Not determined |
| Kinematic Viscosity: | Not applicable |
| Partition Coefficient n-octanol/water: | Not applicable |
| Explosive Properties: | None |
| Oxidizing Properties: | Not applicable |

| | |
|--|----------------|
| Specific Gravity (H₂O= 1): | Not determined |
| Molecular Formula: | Not determined |
| Molecular Weight: | Not determined |
| Particle Characteristics: | Not determined |

9.2 Other Information: None.

SECTION 10: STABILITY and REACTIVITY

| | |
|---|---|
| 10.1 Reactivity: | This material is not reactive under normal conditions. |
| 10.2 Chemical Stability: | Stable |
| 10.3 Possibility of Hazardous Reactions: | Will not occur. |
| 10.4 Conditions to Avoid: | Avoid dust formation. |
| 10.5 Incompatible Materials: | Avoid strong acids. |
| 10.6 Hazardous Decomposition Products: | Thermal decomposition of polymer binder will generate oxides of carbon, fluorine, hydrogen fluoride and various hydrocarbons. |

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

| | |
|--|---|
| Eye Contact: | Dust may cause mechanical irritation and possible injury. |
| Skin contact: | Dust may cause mechanical irritation. |
| Inhalation: | Dust may cause nose, throat and upper respiratory tract irritation. Symptoms include coughing, sneezing and scratchy throat. |
| Ingestion: | May cause irritation of the mouth and intestinal tract. |
| Acute toxicity: | No specific data is available |
| Skin corrosion/irritation: | Not a skin corrosive. |
| Eye damage/ irritation: | Dust may cause mechanical irritation and possible injury. |
| Respiratory Irritation: | Dust may be irritating to the respiratory system. |
| Respiratory Sensitization: | Not a respiratory sensitizer. |
| Skin Sensitization: | Not a skin sensitizer. |
| Germ Cell Mutagenicity: | Not classified as a germ cell mutagen. |
| Carcinogenicity: | Glass wool including special purpose glass fibers (respirable size) are classified by NTP as reasonably anticipated to be a carcinogen. IARC has classified special purpose glass fibers as group 2B, possibly carcinogenic to humans. ACGIH has classified special purpose glass fibers as A3, confirmed animal carcinogen with unknown relevance to humans. OSHA has not classified special purpose glass fibers. Continuous filament fiberglass is not classified as a carcinogen by OSHA, IARC, NTP, or ACGIH. None of the other components is classified as a carcinogen by IARC, NTP, ACGIH, or OSHA. |
| Reproductive Toxicity: | No effects on reproduction are expected. |
| Specific Target Organ Toxicity: | Single Exposure: No data available. Repeat Exposure: No data available. |
| Aspiration Hazard: | Product is not an aspiration hazard. |

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No data available.

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Results of PVT and vPvB assessment: Not required.

12.6 Other Adverse Effects: None.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Dispose in accordance with local, state and national regulations.

SECTION 14: TRANSPORTATION INFORMATION

| | 14.1 UN Number | 14.2 UN Proper Shipping Name | 14.3 Hazard Class(s) | 14.4 Packing Group | 14.5 Environmental Hazards |
|--------------|----------------|------------------------------|----------------------|--------------------|----------------------------|
| US DOT | N/A | Not classified for transport | N/A | N/A | N/A |
| Canadian TDG | N/A | Not classified for transport | N/A | N/A | N/A |
| IMDG | N/A | Not classified for transport | N/A | N/A | N/A |
| IATA/ICAO | N/A | Not classified for transport | N/A | N/A | N/A |

14.6 Special Precautions for User: None

14.7 Transport in Bulk According to IMO Instruments: Not determined.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

U.S. REGULATIONS:

CERCLA: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: This product is a manufactured article and not subject to reporting.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Section 302 Extremely Hazardous Substances (TPQ): None

U.S. STATE REGULATIONS

California Proposition 65: This product contains special purpose glass fiber respirable size which is known to the State of California to cause cancer. This product may also contain trace amounts of formaldehyde which is known to the State of California to cause cancer.

INTERNATIONAL REGULATIONS:

RoHS (Restriction on the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations): This product is RoHS compliant.

REACH: This product is an article and not subject to registration.

INTERNATIONAL INVENTORIES

US Toxic Substances Control Act Inventory (TSCA): This product is an article and not subject to TSCA.

Australian Inventory of Chemical Substances: This product is an article and not subject to chemical notification requirements.

China Inventory of Existing Chemicals and Chemical Substances: This product is an article and not subject to chemical notification requirements.

Japanese Existing and New Chemical Substances: This product is an article and not subject to chemical notification requirements.

Korean Existing Chemicals List: This product is an article and not subject to chemical notification requirements.

Philippine Inventory of Chemicals and Chemical Substances: This product is an article and not subject to chemical notification requirements.

Canadian CEPA New Chemical Notification: This product is an article and not subject to new chemical notification.

New Zealand: This product is an article and not subject to new chemical notification.

SECTION 16: OTHER INFORMATION

SDS Date of preparation/revision: 17-Oct-2022: New SDS – Company name change.

Revision History: v2 18-Jan-2023: Added 2221-2-R/O grade.

GHS Classification and H Phrases for Reference (See Section 3)

Carc. 2 Carcinogen Category 2

H351: Suspected of causing cancer

DEFINITIONS/ ABBREVIATIONS

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: Carriage of Dangerous Goods by Road (International Regulation)

CAA: Clean Air Act

CAS: Chemical Abstracts Service

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act

DSL: Domestic Substances List

EPA: Environmental Protection Agency

EU: European Union

f/cc: Fibers per cubic centimeter

HEPA: High Efficiency Particulate Air

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

mg/m³: Milligrams per cubic meter of air

mmpcf: Million particles per cubic meter
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
29 CFR 1910.134 & 1926.103: OSHA Respiratory Protection Standards
29 CFR 1910.1200 & 1926.59: OSHA Hazard Communication Standards
PEL: Permissible Exposure Limit (OSHA)
PIN: Product Identification Number
PNOC: Particulates Not Otherwise Classified
PNOR: Particulates Not Otherwise Regulated
PSP: Product Stewardship Program
RCRA: Resource Conservation and Recovery Act
REL: Recommended Exposure Limit (NIOSH)
RID: Carriage of Dangerous Goods by Rail (International Regulations)
SARA: Superfund Amendments and Reauthorization Act
SARA Title III: Emergency Planning and Community Right to Know Act
SARA Section 302: Extremely Hazardous Substances
SARA Section 304: Emergency Release
SARA Section 311: MSDS/List of Chemicals and Hazardous Inventory
SARA Section 312: Emergency and Hazardous Inventory
SARA Section 313: Toxic Chemicals and Release Reporting
STEL: Short Term Exposure Limit
SVF: Synthetic Vitreous Fiber
TDG: Transportation of Dangerous Goods
TLV: Threshold Limit Value (ACGIH)
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average

Disclaimer:

The information presented on this SDS (1) provides details on material identity, manufacturer/supplier information, hazard characterization and prevention, emergency response and other specialized information, (2) is considered to be accurate to the best of our knowledge, information and good faith belief as of the date of publication, (3) is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release of the material named, (4) should be read and used in conjunction with the company's relevant literature, (5) relates only to the specific material designated and may not be valid for such material used in combination with any other material or process and (6) is provided without warranty, expressed or implied, in law or in fact, of merchantability or fitness for a particular purpose. This document does not constitute a product specification and should not be relied on as such. Employers may use this SDS to supplement other information gathered by them in their efforts to assure the health and safety of their employees and the proper use of the product.