Material Safety Data Sheet

Chemteq, Inc.
600 West 24th Street, Suite B
Norfolk, Virginia 23517, USA
Tel: 757-622-2223
Toll-free: 855-CHEMTEQ (855-243-6837)
info@chemteq.net

Article Information Sheet
No. 2718885
Revision: 041221-A
Part Number: 2718
Description: Hydrogen Sulfide DG Filter with ESLI
Product Name: DG Filter-2718-ESLI

This Article Information Sheet is provided as a courtesy in response to a customer request. A Material Safety Data Sheet (MSDS) has not been prepared for these product(s) because they are articles. Articles are not subject to the Occupational Safety and Health Administration's Hazard Communication Standard (29 CFR 1910.1200(b) (6) (v)). As defined in this standard: "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical or health risk to employees.

SECTION 1 – MATERIAL IDENTIFICATION

Ingredient	CAS #	% by Weight
Activated Carbon: > 95 %	7440-44-0	40-45
Proprietary Ingredients	None	≥ 5 Trade Secret*
Polyvinyl Chloride:	None	45-50
Stainless Steel	None	2.0 – 2.5
Poly ester	None	0.5
Polyacrylic	None	0.1-0.2

* The chemical composition the hydrogen sulfide Sorbent blend is considered a trade secret. As allowed in U.S. OSHA regulation 1910.1200 (i) (1), Chemteq, Inc. is withholding the specific chemical identity, including other specific identification information (e.g., CAS #).

SECTION 2 – HAZARDS IDENTIFICATION

Classification of substance or mixture:
GHS-US classification
Eye Irritant 2B H320, Ox. Sol. 2 H272, STOT SE 3 H335

Label Elements
Hazard pictograms GHS-US


GHSO7


GHSO3

Signal word (GHS-US): Danger
Hazard statements (GHS-US)
H320 – Causes eye irritation
H272 – Intensify fire; oxidizer
H335 - May cause respiratory irritation
Precautionary statements (GHS- US)
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P220 - Keep/Store away from clothing/... /combustible materials
P221 - Take any precaution to avoid mixing with combustibles
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P271 - Use only outdoors or in a well-ventilated area
P280 -Wear protective gloves/protective clothing/eye protection/face protection
P304+ 340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER/doctor
P403+P233 Store in a well ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents according to Federal and local laws

Fire & Explosion Hazards: Hazardous products of combustion including carbon oxides can occur when burned. Irritating and/or toxic gases due to decomposition of the product may be generated during a fire. Fight fire from a safe distance from a protected location. Contact with strong oxidizers such as ozone or liquid oxygen may cause rapid combustion.
Primary Route(s) of Exposure: Eye contact, skin contact, ingestion, or inhalation, are all possible routes of entry.
Inhalation- Acute Effects: Inhalation of dust may cause sneezing, coughing, discomfort and labored breathing.
Skin Contact-Acute Effects: Dust may cause skin irritation.
Eye Contact- Acute Effects: Dust that contacts eyes may cause redness, pain, blurred vision or mechanical injury.

Ingestion-Acute Effects: Ingestion of powder may be irritating to the gastrointestinal tract.

SECTION 3 – FIRST AID MEASURES

1. Eye Contact: Wash eyes immediately with plenty of water for at least 15 minutes and see a doctor.
2. Skin Contact: Wash affected area immediately with soap and water.
3. Inhalation: Not applicable
4. Ingestion: May be harmful if swallowed. Rinse mouse immediately with water and see a Doctor.

SECTION 4 – FIRE FIGHTING MEASURES

Flash Point/Method: Nonflammable
Upper/Lower Explosion Limits: Not applicable
Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full-face piece, operated in the positive pressure mode.
Fire & Explosion Hazards: Hazardous products of combustion including carbon oxides can occur when burned. Irritating and/or toxic gases due to decomposition of the product may be generated during a fire. Fight fire from a safe distance from a protected location. Contact with strong oxidizers such as ozone or liquid oxygen may cause rapid combustion.
Hazardous Products of Decomposition and /or Combustion: Carbon oxides

SECTION 5 – ACCIDENTAL RELEASE MEASURES

Clean up spills in a manner, that does not disperse dust into the air. Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure, and removal of material from eyes, skin, and clothing. Spent material should be disposed of in accordance with applicable laws. Do not reuse empty bags. DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must comply with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Material Safety Data Sheet

SECTION 6 – HANDLING AND STORAGE

Handling: Avoid dispersion into air. Keep containers dry and closed. Follow good handling and housekeeping practices to minimize spills, generation of airborne dusts, and accumulation of dusts on exposed surfaces. Use with adequate exhaust ventilation to draw dust away from workers' breathing zones. Prevent or minimize exposures to dusts by using appropriate respirators, gloves, and eye protection. Wash exposed skin areas thoroughly with soap and water. Use caution when pouring, using pneumatic transport, swirling, etc. as this material can become electrostatically charged.
Storage: Avoid breaking bags or spilling media to avoid possibly creating residual dust. Store in ambient atmospheric conditions. Product should be stored in a closed dry container. Maintain good housekeeping procedures. Store away from strong oxidizers such as; ozone, liquid oxygen, chlorine, permanganate, etc.
General Comments: Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 7 – EXPOSURE PROTECTION

Respiratory Protection: Use NIOSH/MSHA approved respiratory protection equipment appropriate to the material and/or its concentration where airborne exposure is likely.
Skin Protection: Wear appropriate dust resistant clothing and gloves.
Eye Protection: Recommended are Safety glasses with side shields for any type of handling. Where eye contact or dusty conditions may be likely, dust tight goggles are recommended.
Ventilation Protection: Provide ventilation if necessary to minimize exposure. Dilute ventilation acceptable, but local mechanical exhaust ventilation preferred, if practical, at sources of air contamination such as open process equipment. The following publication offers ventilation guidelines and techniques: "INDUSTRIAL VENTILATION, A MANUAL OF RECOMMENDED PRACTICE" available from the ACGIH.
Exposure Limits: Carbon: OSHA PEL-TWA: 15 mg/m^3 (total), 5 mg/m^3 (resp) OSHA PEL-STEL: 10 mg/m^3

SECTION 8 – PHYSICAL/CHEMICAL PROPERTIES

Vapor Pressure: Zero	Vapor Density (Air=1): not applicable
Boiling Point: not applicable	Solubility in Water: <15%
Volatile Percentage: 0 %	pH: not determined
Flash Point/method: Nonflammable	Auto Ignition Temperature: >150°C
Upper/Lower Explosion Limits: not applicable	Other: none

SECTION 9 – STABILITIY AND REACTIVITY

This material is considered to be non-reactive under normal use conditions.

SECTION 10 – TOXICOLOGICAL INFIRMATION

INHALATION: No health effects are expected
SKIN CONTACT: No health effects are expected
INGESTION: No health effects are expected
Additional Information:
This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential

SECTION 11 – ECOLOGICAL INFIRMATION

This article is expected to present a low environmental risk either because use and disposal are unlikely to result in a significant release of components to the environment or because those components that may be released are expected to have insignificant environmental impact.

SECTION 12 – DISPOSAL CONSIDERATIONS

Clean spills in a manner that does not disperse dust into the air, preferably a wet-down procedure or vacuum. If material is not contaminated, spilled media can be re-bagged. Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal. Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and regulations

SECTION 13 – TRANSPORT INFORMATION

DOT Shipping Description: see shipping papers

SECTION 14 – REGULATORY INFORMATION

CERCLA SECTION 103 (40CFR302.4): No SARA SECTION 302 (40CFR355.30): No SARA SECTION 313 (40CFR372.65): No OSHA PROCESS SAFETY (29CFR19 10.119): No CALIFORNIA PROPOSITION 65: No	RQ: None SARA SECTION 304 (40CFR355.40): No SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21): ACUTE: Yes , CHRONIC: No, FIRE: No, REACTIVE: No, SUDDEN RELEASE: No

SECTION 15 – OTHER INFORMATION

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE PROVIDED FREE WITHOUT CHARGE SOLELY FOR TRAINED, QUALIFIED, TECHNICALLY COMPETENT, AND PROFESSIONAL COMMERCIAL, INDUSTRIAL, MILITARY, OR GOVERNMENT USERS AT THEIR DISCRETION AND RISK. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE BASED UPON DATA AND OTHER INFORMATION THAT CHEMTEQ BELIEVE TO BE CORRECT AND COMPLETE AS OF THE DATE ISSUED, BUT THE ACCURACY AND COMPLETENESS THEREOF IS NOT GUARANTEED AND NO WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE INFORMATION OR RECOMMENDATIONS CONTAINED IN THIS DOCUMENT. THE USER IS RESPONSIBLE FOR DETERMINING WHETHER THE PRODUCT OR COMPONENT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR THE USER'S METHOD OF USE OR APPLICATION. GIVEN THE VARIETY OF FACTORS THAT CAN AFFECT THE USE AND APPLICATION OF A PRODUCT OR COMPONENT, SOME OF WHICH ARE UNIQUELY WITHIN THE USER'S KNOWLEDGE OR CONTROL, IT IS ESSENTIAL THAT THE USER EVALUATE THE PRODUCT OR COMPONENT TO DETERMINE WHETHER THE PRODUCT OR COMPONENT IS FIT FOR A PARTICULAR PURPOSE AND ADDITIONALLY SUITABLE FOR USER'S METHOD OF USE OR APPLICATION AND SUITABLE FOR THE TEST SUBJECT. REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS INFORMATION, HOWEVER, CHEMTEQ MAKES NO WARRANTY OF MERCHANTABILITIY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED WITH RESPECT TO THIS INFORMARION. CHEMTEQ MAKES NO REPRESENTATION AND ASSUMES NO LIABILITY FOR ANY DIRECT, OR INDIRECT OR CONSEQUENTIAL DAMGES RESULTING FROM ITS USE.