



Material Data Sheet

		
Chemteq, Inc. 600 West 24 th Street, Suite B Norfolk, Virginia 23517, USA Tel: 757-622-2223 Toll-free: 855-CHEMTEQ (855-243-6837) info@chemteq.net	Material Data Sheet No. 2514885 Revision: 041021-A Part Number: 2514 Description: Chlorine Dioxide Gas DG Filter with ESLI Product Name: DG Filter-2514-ESLI	
SECTION 1 – MATERIAL IDENTIFICATION		
Ingredient	CAS #	% by Weight
Zeolite:	1318-02-1	38-40
The remaining components are considered non-hazardous according to the criteria of the OSHA Hazard Communication Standard (29 CFR 19 10.1200).		
Polyvinyl Chloride:	None	45-50
Stainless Steel	None	2.0 – 2.5
Poly ester	None	0.5
Polyacrylic	None	0.1-0.2
SECTION 2 – HAZARDS IDENTIFICATION		
Classification of the substance or mixture GHS-US classification STOT SE 3 H335		
Label Elements GHS-US Labeling, Hazard pictograms (GHS-US) Signal word (GHS-US) Warning		
		
Hazard statement (GHS-US) H335 - May cause respiratory irritation		
Precautionary statements (GHS-US) P261: Avoid breathing dust/fume/gas/mist/vapors/spray P271 : Use only outdoors or in a well-ventilated area P304 + P40: IF INHALED: Remove person to fresh air and keep comfortable for breathing P312: Call a POISON CENTER/doctor/.../if you feel unwell P403+P233: Store in a well-ventilated place, Keep container tightly closed P405: Store locked up		
Other Hazards No additional information available Unknown acute toxicity (GHS US) No data available		
SECTION 3 – FIRST AID MEASURES		
Description of first aid measures First-aid measures after inhalation: Remove person to fresh air. If not breathing, administer CPR or artificial respiration. Get immediate medical attention.		
First-aid measures after skin contact: Gently wash with plenty of soap and water. First-aid measures after eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.		
First-aid measures after ingestion: If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting unless directed to do so by medical personnel.		
Most important symptoms and effects, both acute and delayed		

Symptoms/injuries after inhalation: May cause respiratory irritation Symptoms/injuries after skin contact: None under normal use Symptoms/injuries after eye contact: May cause slight irritation Symptoms/injuries after ingestion: May be harmful if swallowed	
SECTION 4 – FIRE FIGHTING MEASURES	
Extinguishing media: Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Unsuitable extinguishing media: None Special hazards arising from the substance or mixture Fire hazard: None known Explosion hazard: None known Reactivity: None Advice for firefighters Protection during firefighting: Firefighters should wear full protective gear	
SECTION 5 – ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures General measures: Avoid contact with the skin and the eyes. For non-emergency personnel: No additional information available For emergency responders: No additional information available Environmental precautions None Methods and material for containment and cleaning up For containment: If possible, stop flow of product. Methods for cleaning up: Shovel or sweep up and put in a closed container for disposal.	
Reference to other sections No additional information available	
SECTION 6 – HANDLING AND STORAGE	
Precautions for safe handling Precautions for safe handling: Avoid contact with eyes. Avoid exposure to water and contaminated air; otherwise, the media is rendered useless. Conditions for safe storage, including any incompatibilities Storage conditions: Protect containers from physical damage. Store in dry, cool, well-ventilated area Specific end use(s): No additional information available.	
SECTION 7 – EXPOSURE CONTROLS/PERSONAL PROTECTION	
Control parameters No additional information available Exposure controls Appropriate engineering controls: Local exhaust and general ventilation must be adequate to meet exposure standards. Hand protection: None required under normal product handling conditions Eye protection: Safety glasses Skin and body protection: Wear suitable working clothes. Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.	
SECTION 8 – PHYSICAL/CHEMICAL PROPERTIES	
Vapor Pressure: Zero Boiling Point: not applicable Volatile Percentage: 0 % Flash Point/method: Nonflammable Upper/Lower Explosion Limits: not applicable	Vapor Density (Air=1): not applicable Solubility in Water: No data available pH: not determined Auto Ignition Temperature: >150°C Other: none

Material Data Sheet

SECTION 9 – STABILITY AND REACTIVITY		
Stability: This product considered stable under the specified conditions of storage, shipment and use.		
Incompatibilities: None		
Decomposition: Thermal decomposition above 300° C can release products of elemental sulfur.		
Conditions to avoid: High Heat, as it will destroy active ingredient		
SECTION 10 – TOXICOLOGICAL INFIRMATION		
Information on toxicological effects: Acute toxicity: Not classified		
Zeolite (1318-02-1)		
LD50 oral rat	5000 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 inhalation rat (mg/l)	2.4 mg/l (Exposure time: 1 h)	
ATE (oral)	5000 mg/kg	
Reproductive toxicity: Not classified		
Specific target organ toxicity (single exposure): May cause respiratory irritation		
Specific target organ toxicity (repeated exposure): Not classified		
SECTION 11 – ECOLOGICAL INFIRMATION		
LC50 fishes 1	1800 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])	
EC50 Daphnia 1	1000 - 1800 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 other aquatic organisms 1	18 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)	
LC50 fish 2	3200 - 5600 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static])	
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. NOTE: State and local regulations may be more stringent than federal regulations.		
SECTION 13 – TRANSPORT INFORMATION		
In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA		
UN number: Not applicable		
UN proper shipping name Not applicable		
SECTION 14 – REGULATORY INFORMATION		
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	STOT SE 3
H335	May cause respiratory irritation	H335
NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.		
NFPA fire hazard: 0 - Materials that will not burn.		
NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.		

SECTION 15 – OTHER INFORMATION
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