


Technical Information (Material Safety Data Sheet)

CHEMTEQ®	
<p>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</p>	<p>Technical Information (Material Safety Data Sheet) No.251418850 Revision: 040621-A Part Number: 2514-1000 Description: chlorine dioxide Gas Sorbent DG Product Name: chlorine dioxide Sorbent DG 2514</p>
Section 1 – Material Identification	
<p>Zeolite: > 82.3-84.3 % by weight CAS# 1318-02-1 The remaining components are considered non-hazardous according to the criteria of the OSHA Hazard Communication Standard (29 CFR 19 10.1200).</p>	
Section 2 – Hazards Identification	
<p>Classification of the substance or mixture GHS-US classification STOT SE 3 H335</p> <div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>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</p> <p>Other Hazards No additional information available Unknown acute toxicity (GHS US) No data available</p> </div> <div style="flex: 0.2; text-align: center; margin: 0 10px;">  </div> </div>	
Section 3 – First Aid Measures	
<p>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</p>	
Section 4 – Fire Fighting Measures	
<p>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</p>	

<p>Explosion hazard: None known Reactivity : None Advice for firefighters Protection during firefighting : Firefighters should wear full protective gear</p>	
Section 5 – Accidental Release Measures	
<p>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</p>	
Section 6 – Handling and Storage	
<p>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</p>	
Section 7 – Exposure Protection	
<p>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.</p>	
Section 8 – Physical/Chemical Properties	
<p>Vapor Pressure: Zero Boiling Point: not applicable Volatile Percentage: 0 % Flash Point/method: Nonflammable Upper/Lower Explosion Limits: not applicable</p>	<p>Vapor Density (Air=1): not applicable Solubility in Water: No data available pH: not determined Auto Ignition Temperature: >150°C Other: none</p>
Section 9 – Stability and Reactivity	
<p>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</p>	
Section 10 – Toxicological Information	
<p>Information on toxicological effects: Acute toxicity: Not classified</p>	
Zeolite (1318-02-1)	

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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 Information	
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
H335	May cause respiratory irritation
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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