




## **Safety Data Sheet**

### Section1: Product and Company Identification

<b>Product Name</b>	CT5
<b>Product synonym(s)</b>	Kaolinite, Bentonite
<b>CAS Number</b>	1302-78-9, 1332-58-7
<b>Recommended use</b>	Adsorbent, food oil purification
<b>Supplier Name</b>	Chem Tek LLC.
<b>Address</b>	677 Anita St. Suite E, Chula Vista CA 91911
<b>Business Phone</b>	16196013746
<b>Emergency phone</b>	24 HR. Emergency Telephone Number CHEMTREC: 800 424 9300
<b>Date of Last revision</b>	March 12, 2020

### Section 2: Hazards Identification

<b>GHS Classification</b>	Carcinogenicity Category 1
<b>Pictogram</b>	
<b>Health</b>	Specific Target Organ Toxicity – Repeated Exposure Category 1
<b>Environmental</b>	Not hazardous.
<b>Physical</b>	Not hazardous.
<b>Hazard Statement</b>	H335: May cause respiratory irritation. H350: May cause cancer. H372: Causes damage to organs through prolonged/repeated exposure.
<b>Prevention Statement</b>	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust/fume/gas/mist/vapors/spray. P261: Avoid breathing dust.

	<p>P264: Wash skin thoroughly after handling.</p> <p>P270: Do not eat, drink, or smoke when using this product.</p> <p>P271: Use only outdoors or in a well ventilated area.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p>
<b>Response Statement</b>	P308/P313: If exposed or concerned. Get medical advice/attention.
<b>Storage Statement</b>	Store in a dry area.
<b>Disposal Statement</b>	P501: Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other Hazards</b>	

### Section 3: Composition/Information on Ingredients

Chemical Name	CAS-No./ EINECS-No	%
Bentonite	1302-78-9	n/a
Kaolinite	1332-58-7	n/a

### Section 4: First Aid Measures

<b>Description of first aid measures</b>	Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.
<b>Eye Contact</b>	If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.
<b>Inhalation</b>	If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
<b>Ingestion</b>	If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek

	medical advice. Take a copy of the label and/or SDS with the victim to the health professional.
<b>Most important symptoms and effects, both acute and delayed</b>	Dust may cause mechanical eye irritation. Contains a chemical which is documented as a cancer hazard.
<b>Medical conditions aggravated by exposure</b>	This material or its emissions may aggravate pre-existing disorders involving any target organs mentioned in this Safety Data Sheet as being at risk.
<b>Indication of any immediate medical attention and special treatment needed</b>	Treat symptoms and reduce over-exposure.

### Section 5: Firefighting Measures

<b>Suitable extinguishing media</b>	Use the media that is appropriate for surrounding fire; unused product is not combustible.
<b>Specific hazards arising from the chemical</b>	No specific hazard are known.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces.

### Section 6: Accidental Release Measures

<b>Small spill</b>	Sweep or vacuum material. Transfer to secondary container to be properly disposed.
<b>Large spill</b>	Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Dike area of spill to prevent spreading. Pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Notify proper authorities that a spill has occurred.
<b>Environmental precautions</b>	Do not let product enter drains, do not allow to sewers/surface or ground water. See Section 12, Ecological information.
<b>Methods and materials for containment and cleaning up</b>	Pick up released product with appropriate implements & return to original container if reusable or dispose. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

## Section 7: Handling and Storage

<b>General Procedures</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding stuffs.
<b>Handling</b>	Avoid dust formation. Provide enough air exchange and/or exhaust in work rooms. In case of insufficient ventilation, wear suitable respiratory equipment. For personal protection see section 8. Handle and open container with care. If you require advice on safe handling techniques or specific uses, please contact your supplier or check the further information referred to in section 16.
<b>Storage</b>	Keep only in the original container. Keep containers tightly closed in a cool, well-ventilated place.
<b>Specific end uses</b>	Adsorbent, food oil purification

## Section 8: Exposure Controls/ Personal Protection

<b>Chemical name</b>	Bentonite Kaolinite
<b>Exposure limit</b>	Bentonite: 1 mg/m <sup>3</sup> Kaolinite: 1 mg/m <sup>3</sup>
<b>Appropriate engineering controls</b>	Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits.
<b>Eye protection</b>	Wear safety glasses or goggles to protect against exposure
<b>Skin protection</b>	Wear clothing appropriate for the work environment. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothing.
<b>Respiratory protection</b>	Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Off white powder, odorless
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<b>Odor Threshold</b>	Not applicable.
<b>Boiling point/range</b>	Not applicable.
<b>Melting point/range</b>	Not available.
<b>Relative density</b>	2.1
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Solubility</b>	Insoluble
<b>pH</b>	4
<b>Partition coefficient</b>	Not available.
<b>Evaporation rate</b>	Not applicable.
<b>Viscosity</b>	Not applicable.
<b>Volatile organic carbon compounds</b>	Not available.
<b>Flashpoint</b>	Not applicable.
<b>Flammable limits in air % by volume</b>	Not applicable.
<b>Autoignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Flammability</b>	Not Flammable.

### **Section 10: Stability and Reactivity**

<b>Reactivity</b>	No data is available.
<b>Chemical stability</b>	Product is stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to avoid</b>	No data available.
<b>Incompatible materials</b>	Not data available.

<b>Hazardous decomposition products</b>	No data available.
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### Section 11: Toxicological Information

<b>Inhalation</b>	Inhaled crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (IARC, Group 1). There is enough evidence in experimental animals for the carcinogenicity of tridymite (IARC, Group 2A)
<b>Skin contact</b>	May cause mechanical skin irritation
<b>Eye contact</b>	May cause mechanical irritation to eye
<b>Ingestion</b>	None known
<b>Chronic effect</b>	Crystalline silica, quartz 14808-60-7 Substances CAS Number Eye damage/irritation 500 mg/kg (Rat) >15,000 mg/kg (Human) No data available Bentonite 1302-78-9 Non-irritating to the eye (Rabbit) No data available Silicosis: Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling, and sometimes-fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness, and reduced pulmonary function. This disease is exacerbated by smoking. Individuals with silicosis are predisposed to develop tuberculosis.
<b>Carcinogenicity listing</b>	Ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are suspected to be cancer-causing agents by these agencies.
<b>Acute toxicity values</b>	No data available.

### Section 12: Ecological Information

<b>Ecotoxicity</b>	No data available.
<b>Persistence and degradability</b>	No data available.
<b>Bio accumulative potential</b>	Not bio accumulative.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse effects are known.

### Section 13: Disposal Considerations

<b>Product disposal</b>	Unused material is suitable for disposal in sanitary landfill. Used material may be subject to regulation, depending on the nature of the material absorbed. Dispose in accordance with local, state and federal environmental regulations. Without proper precautions, spent bleaching clay used in bleaching fats and edible oils or with unsaturated organic compounds is known to spontaneously combust.
<b>Comments</b>	To suppress spontaneous combustion, heat can be dissipated by spreading out the clay and/or spraying with water.

### Section 14: Transportation Information

<b>US DOT Shipping description</b>	Not regulated
<b>IATA Shipping description</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>UN number</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Labels required</b>	No labels are required.

### Section 15: Regulatory Information

US Regulations	
<b>EPA SARA Title III Extremely Hazardous Substances</b>	Not applicable.
<b>EPA SARA Hazard Class</b>	Chronic health hazard.
<b>EPA SARA chemicals</b>	This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under section 313 (40 CFR 372)
<b>EPA CERCLA/Superfund Reportable Spill Quantity</b>	Not applicable
<b>EPA RCRA Hazardous Waste Classification</b>	If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.
<b>California Proposition 65</b>	WARNING! This product can expose you to Quartz, which is known to the State of California to be a to cause cancer. For more information, go to <a href="http://WWW.P65Warning.ca.gov">WWW.P65Warning.ca.gov</a>

## Section 16: Other Information

<b>HMIS Rating</b>	Health 2 Fire 0 Reactivity 0 0 = Minimal Hazard, 4 = Severe Hazard
<b>Date Prepared</b>	March 12, 2020
<b>Comments</b>	This information contained herein is true and correct to the best of Chem Tek's knowledge. However, no warranty, expressed or implied, is made. Final determination of suitability of any material is the sole responsibility of the user.