




Safety Data Sheet

Section1: Product and Company Identification

Product Name	W5
Product synonym(s)	Bentonite
CAS Number	1302-78-9
Recommended use	Adsorbent, oil purification
Supplier Name	Chem Tek LLC.
Address	677 Anita St. Suite E, Chula Vista CA 91911
Business Phone	1-888-408-0040
Emergency phone	24 HR. Emergency Telephone Number CHEMTREC: 800 424 9300
Date of Last revision	March 12, 2020

Section 2: Hazards Identification

GHS Classification	Carcinogenicity Category 1
Pictogram	
Health	Specific Target Organ Toxicity – Repeated Exposure Category 1
Environmental	Not hazardous.
Physical	Not hazardous.
Hazard Statement	H335: May cause respiratory irritation. H350: May cause cancer. H372: Causes damage to organs through prolonged/repeated exposure.
Prevention Statement	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>
Response Statement	P308/P313: If exposed or concerned. Get medical advice/attention.
Storage Statement	Store in a dry area.
Disposal Statement	P501: Dispose of contents/container in accordance with local/regional/national/international regulations.
Other Hazards	

Section 3: Composition/Information on Ingredients

Chemical Name	CAS-No./ EINECS-No	%
Bentonite	1302-78-9	100

Section 4: First Aid Measures

Description of first aid measures	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.
Eye Contact	If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact	Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.
Inhalation	If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
Ingestion	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.

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

Section 5: Firefighting Measures

Suitable extinguishing media	Use the media that is appropriate for surrounding fire; unused product is not combustible.
Specific hazards arising from the chemical	No specific hazard are known.
Special protective equipment and precautions for firefighters	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

Small spill	Sweep or vacuum material. Transfer to secondary container to be properly disposed.
Large spill	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.
Environmental precautions	Do not let product enter drains, do not allow to sewers/surface or ground water. See Section 12, Ecological information.
Methods and materials for containment and cleaning up	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

General Procedures	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.
Handling	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.
Storage	Keep only in the original container. Keep containers tightly closed in a cool, well-ventilated place.
Specific end uses	Adsorbent, food oil purification

Section 8: Exposure Controls/ Personal Protection

Chemical name	Bentonite Crystalline silica, quartz
Exposure limit	Bentonite: 1 mg/m ³ Crystalline silica, quartz: 10 mg/m ³ %SiO ₂ + 2
Appropriate engineering controls	Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits.
Eye protection	Wear safety glasses or goggles to protect against exposure
Skin protection	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.
Respiratory protection	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

Appearance	Tan powder, odorless
Odor Threshold	Not applicable.
Boiling point/range	Not applicable.

Melting point/range	Not available.
Relative density	2.8
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Solubility	Insoluble
pH	7
Partition coefficient	Not available.
Evaporation rate	Not applicable.
Viscosity	Not applicable.
Volatile organic carbon compounds	Not available.
Flashpoint	Not applicable.
Flammable limits in air % by volume	Not applicable.
Autoignition temperature	Not available.
Decomposition temperature	Not available.
Flammability	Not Flammable.

Section 10: Stability and Reactivity

Reactivity	No data is available.
Chemical stability	Product is stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	Not data available.
Hazardous decomposition products	No data available.

Section 11: Toxicological Information

Inhalation	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)
Skin contact	May cause mechanical skin irritation
Eye contact	May cause mechanical irritation to eye
Ingestion	None known
Chronic effect	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.
Carcinogenicity listing	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.
Acute toxicity values	No data available.

Section 12: Ecological Information

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

Section 13: Disposal Considerations

Product disposal	Unused material is suitable for disposal in sanitary landfill. Used material may be subject to regulation, depending on the nature of the
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	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.
Comments	To suppress spontaneous combustion, heat can be dissipated by spreading out the clay and/or spraying with water.

Section 14: Transportation Information

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

Section 15: Regulatory Information

US Regulations	
EPA SARA Title III Extremely Hazardous Substances	Not applicable.
EPA SARA Hazard Class	Chronic health hazard.
EPA SARA chemicals	This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under section 313 (40 CFR 372)
EPA CERCLA/Superfund Reportable Spill Quantity	Not applicable
EPA RCRA Hazardous Waste Classification	If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.
California Proposition 65	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 WWW.P65Warning.ca.gov

Section 16: Other Information

HMIS Rating	Health 2 Fire 0 Reactivity 0 0 = Minimal Hazard, 4 = Severe Hazard
Date Prepared	March 12, 2020
Comments	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.