

Validated and verified by: Regulatory Affairs / Affaires réglementaires

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WHMIS



Protective Clothing



TDG Road / Rail



## Section 1. Chemical product and company identification

### Bentonite agglomerated KWK

**Code** : F01051  
**Synonym** : Not available.  
**Manufacturer** : American Colloid Co.  
**Supplier** : QUADRA CHEMICALS LTD.  
 370, boul. Joseph-Carrier  
 Vaudreuil-Dorion QC J7V 5V5  
 Tel: (450) 424-0161

Burlington ON Tel: (905) 336-9133  
 Delta BC Tel: (604) 940-2313  
 Edmonton AB Tel: (780) 451-9222  
 Calgary AB Tel: (403) 232-8130

**Material uses** : Food applications. Clarification of wine, juice, cider, vinegar.

**TRANSPORTATION EMERGENCY - 24HRS/DAY - 7 DAYS/WEEK  
 IN CANADA - CALL 1-800-567-7455**

## Section 2. Composition, Information on Ingredients

Name	CAS #	% by weight	Exposure limits
bentonite	1302-78-9	60-100	Not available.
proprietary food grade binder	Not available.	Not available.	Not available.
silica -crystalline, quartz	14808-60-7	1-5	ACGIH TLV Notes: Respirable TWA: 0.025 mg/m <sup>3</sup> 8 hour(s).

Consult local authorities for acceptable exposure limits.

## Section 3. Hazards identification

**Emergency overview** : MAY BE HARMFUL IF INHALED.

**Routes of entry** : Inhalation.

**Potential acute health effects**

**Eyes** : May cause mechanical irritation to the eyes. May result in eye injury.

**Skin** : No specific hazard.

**Inhalation** : Dust may irritate the nose, throat and respiratory tract.

**Ingestion** : No specific hazard.

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- Potential chronic health effects** : **CARCINOGENIC EFFECTS:** Classified 1 (Proven for human.) by IARC, 1 (Known To Be Human Carcinogens.) by NTP [Silicon dioxide]. Classified A2 (Suspected for human.) by ACGIH [Silicon dioxide].
- MUTAGENIC EFFECTS** Not available.  
**TERATOGENIC EFFECTS** Not available.  
**DEVELOPMENTAL TOXICITY** Not available.  
May cause delayed respiratory disease (silicosis, cancer) from repeated and prolonged exposure to the dust. May cause permanent lung damage.
- Medical conditions aggravated by overexposure** : Respiratory diseases (eg. asthma, bronchitis) and eyes disorders.
- Over-exposure signs/symptoms** : Overexposure may cause silicosis and pulmonary diseases; effects may be delayed.

**See toxicological Information (section 11)**

## **Section 4. First aid measures**

- Eye Contact** : IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. Seek immediate medical attention.
- Skin Contact** : Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention.
- Inhalation** : Allow the victim to rest in a well ventilated area. If breathing is difficult, administer oxygen. If the victim is not breathing, perform artificial respiration. Seek immediate medical attention.
- Ingestion** : DO NOT induce vomiting. If the victim is conscious, give a little water or milk. NEVER give an unconscious person anything to ingest. Seek immediate medical attention.
- Notes to Physician** : No additional information.

## **Section 5. Fire fighting measures**

- Flammability of the product** : Non-flammable.
- Auto-ignition Temperature** : Not applicable.
- Flash Points** : Not applicable.
- Flammable limits** : Not applicable.
- Products of combustion** : Not applicable.
- Fire hazards in presence of various substances** : Not applicable.
- Explosion hazards in presence of various substances** : Risks of explosion of the product in presence of mechanical impact: Not available.  
Risks of explosion of the product in presence of static discharge: Not available.
- Fire fighting media and instructions** : Use extinguishing media suitable for surrounding fire. Wear NIOSH approved self-contained breathing apparatus (SCBA) when either in confined areas or exposed to combustion products.

## **Section 6. Accidental release measures**

- Spill or leak** : Use appropriate tools to put the spilled material in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to federal, provincial and municipal environmental control regulations.

## **Section 7. Handling and storage**

- Handling** : Follow routine safe handling procedures. Avoid dust generation and accumulation.
- Storage** : Keep container tightly closed. Keep in a cool, dry and well ventilated place. Avoid dust generation. Store away from incompatible materials. Empty containers retain product residue and can be hazardous.

## **Section 8. Exposure Controls, Personal Protection**

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of dusts below their respective threshold limit value. Ensure that eye stations and safety showers are proximal to the work-station location.
- Personal protection**
- Eyes** : Safety goggles.
- Body** : Lab coat.

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**Respiratory** : If user operations generate dust, fume, mist or if workplace contaminant level is above threshold limit, ensure to use a MSHA/NIOSH approved respirator or equivalent.

**Hands** : Gloves (impervious).

**Feet** : Safety shoes.

## Section 9. Physical and chemical properties

**Physical State and Appearance** : Solid. (Powder or granules.)  
**Color** : Grey to buff (Light.)  
**Odor** : Odourless.  
**pH** : 8.5 to 10.5 (Conc. (% w/w): 5)  
**Specific Gravity** : 2.5 (Water = 1)  
**Vapor pressure** : The highest known value is 0 kPa (0 mm Hg) (at 20°C) (bentonite).  
**Solubility** : Very slightly soluble in water.

## Section 10. Stability and reactivity

**Stability and Reactivity** : The product is stable.

**Conditions of instability** : No additional remark.

**Incompatibility with various substances** : None known .

**Hazardous Decomposition Products** : Not available.

**Hazardous polymerization** : Will not occur.

## Section 11. Toxicological information

**Toxicity data** : LD50: Not available.  
LC50: Not available.

**Chronic effects on humans** : Repeated or prolonged exposure to the silica may cause silicosis. Silicosis develops gradually over a period of 20 years or more. It is characterized by cough, production of sputum, dyspnea, wheezing, silicotic nodules on lungs and impaired pulmonary function. In advanced stages: fever, loss of weight, cyanosis, clubbing of the fingers, bacterial infections and death may occur. The development of silicosis may not be detected in its early stages. Evidence of the disease can be seen on X-rays. Silicosis can continue to develop even after exposure has stopped.

**Other toxic effects on humans** : No additional information.

**Remarks on toxicity to animals** : No additional information.

## Section 12. Ecological information

**Ecotoxicity data** : Not available.

**Remarks on the products of biodegradation** : No additional remark.

## Section 13. Disposal considerations

**Waste information** : Waste and empty packaging must be disposed of in accordance with federal, provincial, and municipal environmental control regulations.

**Waste stream** : Avoid entry of product into the sewage system or water streams.

**Consult your local or regional authorities.**

**Section 14. Transport information**

<b>Regulatory Information</b>	<b>Shipping name and Class</b>	<b>UN number</b>	<b>Packing group</b>
<b>TDG Classification</b>	Not regulated under TDG (Canada).	Not applicable.	Not applicable.

**Section 15. Regulatory information**

- WHMIS (Canada)** : HARMFUL IF INHALED.  
CLASS D-2A.
- DSL (CEPA )** : CEPA DSL: All ingredients are listed or exempted.  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.

**Section 16. Other information**

- References** : Canadian Guide of the Law and Regulations of the Transportation of the Dangerous Goods.  
Manufacturer's Material Safety Data Sheet.  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Other special considerations** : No additional remark.

**Regulatory Affairs Department** : (450) 424-0161

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**

**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**