



# Safety Data Sheet

- Occupational Health and Safety Act and Regulations (85/1993)
- General Administrative Regulations

Product: Bentonite & Bentonite HV/MD Date issued: October 2023 Page 1 of 5  
Reviewed March 2026

## Company Details:

Name: G & W MINERAL RESOURCES

## 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Bentonite, Bentonite HV and Bentonite MD

Chemical Family: N/A

Chemical Name: Crystalline quartz (naturally occurring contaminant)

Synonyms: N/A

Chemical Abstract no: 1302-78-9

NIOSH No: N/A

UN no: N/A

## 2. HAZARDS IDENTIFICATION

**Main Hazard:** This clay product contains a small amount of crystalline silica, which may cause delayed respiratory disease if inhaled over a prolonged period. Avoid breathing dust.

**Flammability:** Inorganic mineral – Non flammable

**Chemical hazard:** None

**Biological hazard:** No known effect

**Reproduction hazard:** No known effect

**Eye effects:** Causes redness and pain

**Health effects – skin:** Develops alkaline properties when wet, which may cause skin irritation or burns



# Safety Data Sheet

**Health effects – ingestion:** None

**Health effects – inhalation:** May cause delayed respiratory disease if dust inhaled over a prolonged period. Excessive inhalation of dust may result in shortness of breath and reduced pulmonary function

**Carcinogenicity:** No known effect

**Mutagenicity:** No known effect

**Neurotoxicity:** No known effect

## 3. COMPOSITION

**Hazardous components:** Naturally occurring hydrated alumino-silicate of sodium, calcium, magnesium and iron

**EEC Classification:** N/A

**R Phrases:** N/A

## 4. FIRST AID MEASURES:

**Product in eye:** Rinse well with water and refer to doctor if irritation persists

**Product on skin:** Rinse well with water and refer to doctor if irritation persists

**Product ingested:** None

**Product inhaled:** Remove to fresh air. Give oxygen or artificial respiration if necessary. Get medical attention

## 5. FIRE FIGHTING MEASURES:

**Extinguishing media:** None

**Special hazards:** None

**Protective Clothing:** None

## 6. ACCIDENTAL RELEASE MEASURES:

**Personal Precautions:** Avoid breathing dust. Wear an approved respirator.

**Environmental precautions:** None

**Small spills / Large spills:** Vacuum if possible to avoid generating airborne dust. **DO NOT ADD WATER**, the product will become slippery when wet

## 7. HANDLING AND STORAGE

**Suitable material:** N/A

**Handling/storage precautions:** Avoid breathing dust. Use a NIOSH/MSHA approved respirator where TLV limits for crystalline silica may be exceeded. Slippery when wet



# Safety Data Sheet

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure limits:** No data available

**Engineering control measures:** Adequate dust control and dust extraction systems

**Personal protection – respiratory:** Use NIOSH/MSHA approved respirator

**Personal protection – hand:** Not required

**Personal protection – eye:** Safety goggles

**Personal protection – skin:** Overalls and barrier cream

**Other protection:** Use good housekeeping practices

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance:** Pale grey to buff powder  
or granules

**Explosive properties:** None

**Odour:** Odourless

**Oxidizing properties:** None

**pH:** 8 – 10.5

**Vapour pressure:** N/A

**Boiling point:** N/A

**Density:** N/A

**Melting point:** N/A

**Solubility - water:** Negligible

**Flash point:** N/A

**Solubility - solvent:** N/A

**Flammability:** N/A

**Solubility - coefficient:** N/A

**Auto flammability:** N/A

## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** Stable

**Incompatible materials:** None

**Hazardous decomposition products:** None known

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data available

**Chronic toxicity:** Individuals with pulmonary and/or respiratory disease including but not limited to asthma and bronchitis should be precluded from exposure to dust

**Carcinogenicity:** No known effect

**Mutagenicity:** No known effect

**Reproductive hazards:** No known effect



# Safety Data Sheet

## 12. ECOLOGICAL INFORMATION

**Aquatic toxicity – fish:** No data available

**Aquatic toxicity – daphnia:** No data available

**Aquatic toxicity – algae:** No data available

**Biodegradability:** No data available

**Bioaccumulation:** No data available

**Mobility:** N/A

**German wdk:** N/A

## 13. DISPOSAL CONSIDERATIONS:

**Disposal methods:** Follow National, Regional and local regulations for solid waste

**Disposal packaging:** N/A

## 14. TRANSPORT INFORMATION

**UN no:** N/A

**IMDG - EMS No:** N/A

**ADR/RID Substance identity no:** N/A

**IMDG – MFAG table on:** N/A

**ADR/RID class:** N/A

**IATA - class:** N/A

**ADR/RID item no:** N/A

**IATA – subsidiary risk(s):** N/A

**ADR/RID hazard identity no:** N/A

**UK – description:** No data available

**IMDG - shipping name:** N/A

**UK emergency action class:** No data available

**IMDG - class:** N/A

**UK classification:** No data available

**IMDG – packaging group:** N/A

**Tremcard No:** N/A

**IMDG - marine pollutant:** N/A

## 15. REGULATORY INFORMATION:

**EEC hazard classification:** N/A

**Risk phrases:** N/A

**Safety phrases:** N/A

**National Legislation:** OSH Act, National Road Traffic Act (when promulgated)



# Safety Data Sheet

## 16. OTHER INFORMATION:

### SELECTED BIBLIOGRAPHY

1. Data sheets as supplied by various Suppliers and Manufacturers.
2. S.A. National Department of Labour. Occupational Health and Safety Act; Act 85 of 1993 and Regulations (as amended from time-to-time), Government Printers, Pretoria.
3. S.A Government: National Road Traffic Act; Act 93 of 1976, Government Printers, Pretoria.
4. National Environmental Management Waste Act, 59 of 2008 ("NEMWA")
5. IARC Monographs on the Evaluation of Carcinogenic risks to humans, Vol.68, 1997.
6. SANS 10234 List of classification and labelling of chemicals in accordance with the Globally Harmonized System (GHS) Name of Standards

All reasonable care has been exercised in processing your request for information on the chemical listed in this Safety Data Sheet.