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# SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **PRODUCT NAME:** | CR2™ - Filteration Media |
| PRODUCT SYNONYM(s): | Bentonite, Bentonite Clay |
| CAS NUMBER: | 1302-78-9 |
| RECOMMENDED USE: | Adsorbent, Filtration |
| **SUPPLIER/MANUFACTURER'S NAME:** | Media Bros LLC |
| ADDRESS: | 6800 NE 59th Avenue, Portland, Oregon 97218 |
| **EMERGENCY PHONE:** | +1 (800) 424-9300, Chemtrec (US and Canada) |
| **DATE OF PREPARATION:** | July 01, 2020 |
| DATE OF LAST REVISION: | October 01, 2024 |

## SECTION 2 - HAZARDS IDENTIFICATION

**Classification of the mixture**

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 and WHMIS 2015.

**Component(s) Contributing to Classification(s)**

Silica

**GHS Label elements, including precautionary statements**

**Pictogram(s):**



**Signal Word:**

**Danger!**

**GHS Hazard Classification(s):**

Carcinogenicity Category 1

Specific Target Organ Toxicity – Repeated Exposure Category 1 (Inhalation)

**Hazard Statement(s):**

H350: May cause cancer

H372: Causes damage to organs through prolonged or repeated exposure.

**Prevention Statement(s):**

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/vapours/spray.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response Statement(s):**

P308+P313: IF exposed or concerned: Get medical advice/attention.

P314: Get medical advice/attention if you feel unwell.

**Storage Statement(s):**

P405: Store locked up.

**Disposal Statement(s):**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other Hazards**

None applicable.

# SAFETY DATA SHEET

## SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS: | CAS # | WT % | GHS CLASSIFICATION |
|---|---|---|---|
| Silica | 14808-60-7 | 60 - 65% | STOT RE 1, CARC CAT 1 |

**Additional Information:** See SECTION 16 for full classification phrases. Exact concentrations are withheld as trade secret.

## 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 immediate medical attention and special treatment needed**

Treat symptoms and reduce over-exposure.

## SECTION 5 - FIRE-FIGHTING MEASURES

**Flash Point**

Product is noncombustible.

**Extinguishing media**

Water, Dry powder / dry sand, alcohol-resistant foam, dry chemical or CO2.

**Specific hazards arising from the chemical**

None known.

| | |
|---|---|
| Explosion Sensitivity to Mechanical Impact: | Not Sensitive. |
| Explosion Sensitivity to Static Discharge: | Not Sensitive. |
| Minimum Ignition Energy (M.I.E.) | No Data at this time |

**Special firefighting Procedure**

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Spill:**

Sweep or vacuum material. Transfer to secondary container to be properly disposed or re-used.

**Environmental precautions**

Do not let product enter drains, do not allow to sewers/surface or ground water. See Section 12, Ecological information.

**Methods and material 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 sufficient 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, filter aid

## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

**Control parameters**

**EXPOSURE LIMITS/GUIDELINES:**

| Chemical Name | CAS# | ACGIH | OSHA |
|---|---|---|---|
| Silica | 14808-60-7 | 0.025 mg/m$^3$ | 0.05 mg/m$^3$ |

**Exposure Controls**

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**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.

**EYE PROTECTION:** Safety glasses are required. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

**HAND PROTECTION:** Use protective gloves as appropriate to minimize skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**BODY PROTECTION:** Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| **PHYSICAL STATE:** | Solid (granules) |
| **ODOR:** | Odorless |
| **ODOR THRESHOLD (PPM):** | Not Available |
| **APPEARANCE / COLOR:** | Beige granules |

| | |
|---|---|
| **pH:** | 8.5 - 10.5 |
| **MELTING / FREEZING POINT (F°):** | Not Applicable |
| **BOILING POINT (F°):** | Not Applicable |
| **FLASH POINT (F°):** | Not Applicable |
| **EVAPORATION RATE (nBuAc = 1):** | Not Available |
| **FLAMMABILITY (solid, gas):** | Not Applicable |
| **FLAMMABLE LIMITS (in air by volume, %)**: | Not Applicable |
| **VAPOR PRESSURE (mmHg):** | Not Applicable |
| **VAPOR DENSITY (AIR=1):** | Not Applicable |
| **RELATIVE DENSITY** | Not Available |
| **SOLUBILITY IN WATER (%)** | Insoluble |
| **PARTITION COEFFICIENT: N-OCTANOL/WATER:** | Not Applicable |
| **AUTOIGNITION TEMPERATURE**: | Not Applicable |
| **DECOMPOSITION TEMPERATURE:** | Not Applicable |
| **VISCOSITY:** | Not Applicable |
| **EXPLOSIVE PROPERTIES:** | Not Applicable |
| **OXIDISING PROPERTIES:** | Not Applicable |
| **Other Information** | |
| **SPECIFIC GRAVITY 4°C: (Water = 1)** | Not Applicable |
| **DENSITY:** | 0.7 - 1.0 g/cm$^3$ |
| **VOC:** | Not Applicable |
| **WEIGHT PER GALLON:** | Not Applicable |

## 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:** No data available.
**Hazardous Decomposition Products:** No data available.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Information on Toxicological Effects**

**TOXICITY DATA:** No data available.
**POTENTIAL HEALTH HAZARDS OR RISKS FROM EXPOSURE:**
**IRRITANCY OF PRODUCT:** Exposure with this product can be irritating when exposed to eyes, nose, and throat.
**SENSITIZATION OF PRODUCT:** This product is not considered a skin sensitizer.
**CARCINOGENICITY:** None
**GERM CELL MUTAGENICITY INFORMATION:** This product does not contain components which are documented as Germ Cell Mutagenicity hazards.
**REPRODUCTIVE TOXICITY INFORMATION:** This product does not contain components which are documented as reproductive hazards.
**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** No specific data available for this product.
**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** No specific data available for this product.
**ASPIRATION HAZARD** This product is not anticipated to be an aspiration hazard.

## SECTION 12 - ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**Toxicity**

LC50 – No data available.

EC50 - No data available.

**Persistence and degradability**

No specific data available on this product.

**Bioaccumulative potential**

No specific data available on this product.

**Mobility in soil**

No specific data available on this product.

**Results of PBT and vPvB assessment**

No specific data available on this product.

**Other adverse effects**

No specific data available on this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL**: Unused material is suitable for disposal in a sanctioned landfill. Used material subject to local regulation. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

**COMMENTS:** The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional/local authority requirements.

## SECTION 14 - TRANSPORTATION INFORMATION

**US DOT/IMDG/IATA:**

**PROPER SHIPPING NAME:** Not Regulated
**HAZARD CLASS NUMBER and DESCRIPTION:** N/A
**UN IDENTIFICATION NUMBER:** N/A
**PACKING GROUP:** N/A
**DOT LABEL(S) REQUIRED:** N/A
**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2016):** N/A
**MARINE POLLUTANT:** Ingredients are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

## SECTION 15 - REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**UNITED STATES REGULATIONS**

**SARA REPORTING REQUIREMENTS:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

**SARA 311/312:**

Acute Health: Yes Chronic Health: Yes Fire: No Reactivity: No

**U.S. CERCLA REPORTABLE QUANTITY (RQ):**

CERCLA Reportable Quantity RQ: None

**CLEAN WATER ACT:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

**STATE REGULATIONS:**

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (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.

**CANADIAN REGULATIONS:**

**CANADIAN DSL/NDSL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** This product is categorized as per WHMIS 2015 Controlled Product Regulations.

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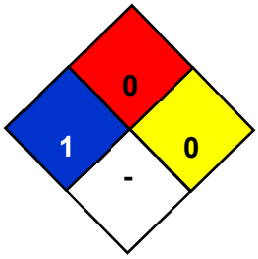
# SAFETY DATA SHEET

## SECTION 16 - OTHER INFORMATION

**HMIS RATING**

| | |
|---|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | X |

**NFPA RATING**




***Caution: HMIS and NFPA ratings are based on a 0-4 rating scale***
*0= Minimal Hazard, 1= Slight, 2= Moderate, 3= High, 4= Extreme*

**GENERAL STATEMENTS:**

Key or Legend to abbreviations and acronyms

AIHA - American Industrial Hygiene Association
ACGIH - American Conference of Governmental Industrial Hygienists
CASRN - Chemical Abstract Services Registry Number
CFR - Code of Federal Regulations
D.O.T. - United States Department of Transportation
IARC - International Agency for Research on Cancer
OSHA - Occupational Safety and Health Administration
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
PPM - Parts per million
mg/m3 - milligram per cubic meter
kg - kilogram
L or l - Liter
n.o.s. - not otherwise specified
Lbs. - Pounds
mm2/s - millimeters squared per second
PMCC - Pensky-Martens Closed Cup
LC50 - Lethal Concentration 50 (concentration in water having a 50% chance of causing death to aquatic life)
EC50 - Effective Concentration that causes 50% inhibition in growth or mobilization
OECD - Organization for Economic Cooperation and Development
SOCMI - Synthetic Organic Chemical Manufacturing Industry
VOC - Volatile Organic Compound

**PREPARED BY:** Media Bros LLC

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***Revision History:***
***October 01, 2024***

***END OF SDS***