

SOP for:

CRX[™] Filtration Media for In-Line CRC Applications <u>Safety</u>

Follow the safety and handling instructions found on the SDS sheets. The SDS sheet for CRX™ can be found with your shipment, or by contacting Media Bros info@mediabros.store

Preparation & Tips

CRX™ filter media is an all-around media intended for all types of biomass.

Required Materials:

- CRX™ Filtration Media
- In-Line Filtration Housing & Screen
 - o CRC Column Size: for best results use a 3" to 4" diameter column.
 - o CRX™ works best with a 5 to 10 micron sintered mesh plate.
 - o CRX™ works best with a solvent ratio to biomass of 6:1 to 10:1.
 - o CRX™ works best at temperatures below -10C. CRX™ will not clog due to ice.
 - CRX™ works best with a flow rate of <1gpm. Adding a flow restrictor (a ball valve is suitable) to the bottom of the column will allow flow regulation.

Procedure

1) Load 150 - 250 grams of filter media into filtration housing for every 1 lbs of biomass. The media quantity used is dependent on the quality of the biomass. Higher quality biomass requires less media. Lower quality biomass requires more media. The lookup table can be used as a reference.

	Biomass	CRX™ Media use based on grade		
	Plant Matter	Low Grade	Medium Grade	High Grade
	1 lbs	250 g	200 g	150 g
	2 lbs	500 g	400 g	300 g
	5 lbs	1,250 g	1,000 g	750 g
	10 lbs	2,500 g	2,000 g	1,500 g
	15 lbs	3,750 g	3,000 g	2,250 g
	20 lbs	5,000 g	4,000 g	3,000 g
	25 lbs	6,250 g	5,000 g	3,750 g
	30 lbs	7,500 g	6,000 g	4,500 g
	50 lbs	12,500 g	10,000 g	7,500 g
	100 lbs	25,000 g	20,000 g	15,000 g

- 2) Ensure that the media is secured in a filtration housing.
 - a. Ensure the 5 to 10 micron screen is installed.
 - b. A cloth or paper filter may be used in combination with a screen or plate.
- 3) CRX[™] does not need to be wetted prior to use.
- 4) Run filtration using a hydrocarbon based solvent.
 - a. Avoid stagnant saturation and maintain flow.
 - b. Any lost yield can be recovered by flushing the media with pure solvent.
- 5) Follow disposal instructions in SDS.

Contact info@mediabros.store for additional information and questions.



SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:CRX - Filter MediaPRODUCT SYNONYM(s):Bentonite, Bentonite Clay

CAS NUMBER: 1302-78-9

RECOMMENDED USE: Adsorbent, Filtration SUPPLIER/MANUFACTURER'S NAME: Media Bros LLC

ADDRESS: 866 North Columbia Blvd Ste B103, Portland, Oregon 97217

EMERGENCY PHONE: +1 (800) 424-9300, Chemtrec (US and Canada)

DATE OF PREPARATION:DATE OF LAST REVISION:

January 01, 2020
April 01, 2020

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/eve 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.