



SOP for:
CRY™ Filtration Media for In-Line CRC Applications

Safety

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

Preparation & Tips

CRY™ filter media is an aggressive media intended for aged biomass, or material with hard to remove pigments.

Required Materials:

- CRY™ Filtration Media
- In-Line Filtration Housing & Screen
 - CRC Column Size: for best results use a 3” to 4” diameter column.
 - CRY™ works best with a 5 to 10 micron sintered mesh plate.
 - CRY™ works best with a solvent ratio to biomass of 6:1 to 10:1.
 - CRY™ works best at temperatures below -10C. CRY™ will not clog due to ice.
 - CRY™ 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	CRY™ 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) CRY™ 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: CRY - Filter Media
PRODUCT SYNONYM(s): Natural Clay, Mixed Clay
CAS NUMBER: 63800-37-3
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: January 01, 2020
DATE OF LAST REVISION: 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/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.