
	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Procedure</b>		
	Title: <b>Crystallizer Liquid Loads</b>	Number: <b>P12-PR-200-023</b>	
	Owner: <b>Patrick Owen</b>	Revision: <b>01</b>	
	Effective Date: <b>05/13/13</b>	Page: <b>1 of 2</b>	

## 1.0 Purpose

This procedure describes how to execute properly melting a load from the crystallizer. It can then be used to make liquid loads.

## 2.0 Scope

This procedure applies to all manufacturing workers.

## 3.0 Responsibility

Lead Operator, Material Handler

## 4.0 Safety Considerations

Safety shoes and safety glasses are required when working in, on, or around the crystallizers.

Safety is a condition of employment. Employees are not authorized to work in an unsafe manner and are prohibited from harming the environment of the facility or community.

## 5.0 Materials/Equipment

N/A

## 6.0 Procedure



Once a crystallizer has been properly melted, it can be used to make liquid loads.

### A. Dumping a Crystallizer

1. Use as much from the crystallizer as you can.
2. Shut the crystallizer down completely.
3. Connect a steam hose to the bottom valve and steam at least 4 hours or until the temperature reaches 50 degrees C.
4. Close the bottom valve and disconnect the steam hose – be very careful to bleed the hose off and wear gloves.
5. Connect a hose from the bottom valve to the Liquid Load pump.
6. Proceed with the Liquid Load procedure.
7. A crystallizer is probably better suited for loads of less than 27%, but can also be used for 27%.
8. When the load ends and the alarm sounds, shut the crystallizer bottom valve.

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9. Then, with the pump running, connect the hose to the regular loading line.
10. Continue with the Liquid Loading procedure by stopping the pump and pressing the wash button.

## 7.0 Reference Documents

N/A

## 8.0 Change Information

Document review- updated format using new template and numbering system.

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