

## RHEOCRETE CNI

Version 2.3

06/29/2006

### 1. PRODUCT AND COMPANY INFORMATION

Company	:	<b>BASF Corporation</b> 23700 Chagrin Blvd BEACHWOOD, OH 44122
Telephone	:	216-839-7500
Emergency telephone number	:	(800) 424-9300 (703) 527-3887 (Outside Continental US)
Product name	:	RHEOCRETE CNI
MSDS ID No.	:	10349
TSCA Inventory	:	All components of this product are included, or are exempt from inclusion, in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canadian DSL	:	All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List (DSL).

### 2. HAZARDOUS INGREDIENTS

<u>Chemical</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>CEIL</u>	<u>Weight %</u>
CALCIUM NITRITE	13780-06-8		N.E.	N.E.	N.E.	30.00 - 60.00 %
CALCIUM(II) NITRATE (1:2)	10124-37-5	N.E.	N.E.	N.E.	N.E.	3.00 - 7.00 %

### 3. HAZARDS IDENTIFICATION

HMIS <sup>®</sup> Rating	HEALTH	FLAMMABILITY	PHYSICAL HAZARD
	2*	0	0
WHMIS Class	:	D2B	
Primary Routes of Entry	:	Eye contact Skin contact Ingestion Skin absorption	

#### Effects of Overexposure

Inhalation	:	At room temperature, exposures to vapors are unlikely due to physical properties. Higher temperatures or mist can generate vapor levels sufficient to cause irritation to mucous membranes and other effects.
Skin	:	Prolonged skin contact may cause skin irritation and/or dermatitis.
Eyes	:	Can cause moderate to severe irritation, tearing and blurred vision. Prolonged exposure can result in more severe irritation and possible corneal injury.

## RHEOCRETE CNI

Version 2.3

06/29/2006

- Ingestion : May be harmful if swallowed. Can cause severe irritation and possible burns. Intake can cause gastrointestinal irritation, nausea, cramps, vomiting and diarrhea, headache, cyanosis and drowsiness.
- Chronic exposure : No known components of this product are listed as known or suspected carcinogens per NIOSH, NTP, IARC, or OSHA.

### Carcinogenicity

	ACGIH	IARC	NTP	OSHA
CALCIUM NITRITE	N.E.	N.E.	N.E.	N.E.
CALCIUM(II) NITRATE (1:2)	N.E.	N.E.	N.E.	N.E.

## 4. FIRST AID MEASURES

- Eye contact : Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
- Skin contact : Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.
- Ingestion : Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.
- Inhalation : Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

## 5. FIRE-FIGHTING MEASURES

- Flash point : does not flash
- Autoignition temperature : not applicable
- Lower explosion limit : not applicable
- Upper explosion limit : not applicable
- Suitable extinguishing media : Use extinguishing agent suitable for type of surrounding fire. Keep containers and surroundings cool with water spray.
- Fire and Explosion Hazards : Containers can build up pressure if exposed to heat (fire). Cool closed containers exposed to fire with water spray.
- Special Fire-fighting Procedures : As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up : Wear appropriate protective equipment (refer to section 8). Take action to eliminate source of leak; prevent from entry into open streams or sewers; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse

## RHEOCRETE CNI

Version 2.3

06/29/2006

residual stain with water.

---

### 7. HANDLING AND STORAGE

---

- Handling : Keep out of reach of children. For personal protection see section 8.
- Storage : Keep tightly closed.

---

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

- Eye protection : Wear as appropriate:  
safety glasses with side-shields  
goggles  
face-shield
- Hand protection : Wear as appropriate:  
impervious gloves
- Body Protection : Wear as appropriate:  
impervious clothing  
preventive skin protection
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.
- Hygienic Practices : Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.
- Engineering Controls : Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

---

### 9. PHYSICAL AND CHEMICAL PROPERTIES

---

- Color : yellow
- Physical State : liquid
- Odor : slight sweet
- pH : Approx.9.0
- Odor Threshold : no data available
- Vapor Pressure : no data available
- Vapor Density : no data available
- Boiling point/range : Approx.226 °F (108 °C)

**RHEOCRETE CNI**

Version 2.3

06/29/2006

Freeze Point : no data available

Water solubility : completely soluble

Specific Gravity : 1.29

Viscosity : no data available

Evaporation rate : Slower than Butyl acetate

Partition coefficient (n-octanol/water) : no data available

VOC Concentration as applied (less water and exempt solvents) : 0 g/l

**10. STABILITY AND REACTIVITY**

Stability : Stable under recommended storage conditions.

Conditions to avoid : Prolonged exposure to high temperatures

Materials to avoid : Reducing agents, Acids, Activated Carbon, Ammonium salts, and Cyanides. Avoid direct contact with other materials that can cause pH to fall below 8.0 resulting in the possible formation of Nitrogen Oxide gas.

Hazardous decomposition products : nitrogen oxides (NOx)

Hazardous polymerization : Will not occur under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

**Acute inhalation toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>	<u>Exposure time</u>
	LC50	no data available		
<u>Component</u>				
CALCIUM NITRITE	LC50	no data available		
CALCIUM(II) NITRATE (1:2)	LC50	no data available		

**Acute oral toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Oral)	no data available	
<u>Component</u>			

## RHEOCRETE CNI

Version 2.3

06/29/2006

CALCIUM NITRITE	LD50 (Oral)	no data available
CALCIUM(II) NITRATE (1:2)	LD50 (Oral)	no data available

### Acute dermal toxicity

	<u>Type</u>	<u>Value</u>	<u>Species</u>
<u>Product</u>	LD50 (Dermal)	no data available	
<u>Component</u>			
CALCIUM NITRITE	LD50 (Dermal)	no data available	
CALCIUM(II) NITRATE (1:2)	LD50 (Dermal)	no data available	

## 12. ECOLOGICAL INFORMATION

Ecotoxicological Information : There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

## 14. TRANSPORT INFORMATION

DOT	: Proper shipping name	Not regulated
IATA	: Proper shipping name	Not regulated

## 15. REGULATORY INFORMATION

### SARA 311/312 (RTK)

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD DELAYED (CHRONIC) HEALTH HAZARD

### SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>Weight %</u>	<u>CAS No.</u>	<u>Chemical Name</u>
3.00 - 7.00 %	10124-37-5	CALCIUM(II) NITRATE (1:2)

## RHEOCRETE CNI

Version 2.3

06/29/2006

### CERCLA

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

<u>RQ</u>	<u>CAS No.</u>	<u>Chemical Name</u>
-----------	----------------	----------------------

No CERCLA chemicals exist in this product above reportable concentrations.

### TSCA Section 12(b) Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>CAS No.</u>	<u>Chemical Name</u>
----------------	----------------------

There are no TSCA 12(b) Chemicals in this product.

### California Proposition 65

The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

<u>CAS No.</u>	<u>Chemical Name</u>
----------------	----------------------

There are no Proposition 65 chemicals known to exist in this product.

---

## 16. OTHER INFORMATION

---

Legend : N.E. - Not Established  
TLV - Threshold Limit Value  
STEL - Short Term Exposure Limit  
PEL - Permissible Exposure Limit  
CEIL - Ceiling

Prepared By : Environment, Health and Safety Department

This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of the manufacturer's knowledge, or is obtained from sources believed by the manufacturer to be accurate and is not intended to be all inclusive. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. The manufacturer assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, the manufacturer assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.

End of MSDS.