



# Material Safety Data Sheet

## HYBASE C-311

Version: 1.4

Revision Date: 04/26/2012

Print Date: 08/22/2013

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *HYBASE C-311*

Product Use Description: Additive

Company: Chemtura Corporation  
199 Benson Road  
Middlebury, CT  
06749  
United States of America

Telephone: (US) +1 866-430-2775

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300  
:  
Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898  
  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department  
(US) +1 866-430-2775  
04/26/2012  
  
MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### CAUTION!

Form: viscous liquid      Colour: brown      Odour: mild hydrocarbon-like

Hazard Summary : Irritating to eyes.

OSHA Hazards : MODERATE EYE IRRITANT

#### Potential Health Effects

Inhalation : No information available.  
Mist or spray may cause the following effects:  
Risk of delayed pulmonary oedema.



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Ingestion : May cause the following effects:  
Diarrhoea

Symptoms of Overexposure : irritant effects

Carcinogenicity:

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component / CAS-No.	Weight percent
calcium dihydroxide 1305-62-0	>= 1 - < 5 %

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

- Inhalation : Remove to fresh air.  
Aspiration may cause pulmonary oedema and pneumonitis.  
If breathing is difficult, give oxygen.  
If symptoms persist, call a physician.
- Skin contact : Wash off with warm water and soap.  
If skin irritation persists, call a physician.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Obtain medical attention.
- Ingestion : Obtain medical attention.  
Never give anything by mouth to an unconscious person.

#### Notes to physician

- Symptoms : irritant effects
- Treatment : For specialist advice physicians should contact the Poisons Information Service.



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### SECTION 5. FIREFIGHTING MEASURES

#### Flammable properties

Flash point : > 356 °F (> 180 °C)  
Method: open cup

Lower explosion limit : Remarks: no data available

Upper explosion limit : Remarks: no data available

#### Fire fighting

Suitable extinguishing media : (on small fires)  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Dry sand  
Extinguishing media - large fires  
Foam  
Water mist

Further information : Cool containers / tanks with water spray.

#### Protective equipment and precautions for firefighters

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear suitable protective equipment.

Environmental precautions : Should not be released into the environment.  
Do not flush into surface water or sanitary sewer system.

Methods for containment /  
Methods for cleaning up : Clean-up methods - large spillage  
Dam up.  
Large spills should be collected mechanically (remove by pumping) for disposal.  
Clean-up methods - small spillage  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Shovel into suitable container for disposal.

### SECTION 7. HANDLING AND STORAGE

Handling

Handling procedures : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with skin, eyes and clothing.  
Wear suitable protective equipment.



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Use only with adequate ventilation.  
Protect from contamination.

### Storage

Requirements for storage : Keep tightly closed in a dry, cool and well-ventilated place.  
Further information on storage conditions : Keep away from oxidizing agents.  
Other data : Stable under recommended storage conditions.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Components with workplace control parameters

Components / CAS-No.	Value / Basis / Update	Control parameters	Further information
calcium dihydroxide 1305-62-0	TWA ACGIH 2007-01-01	5 mg/m3	
	TWA OSHA P1 2007-01-01	15 mg/m3	
	TWA OSHA P1 2007-01-01	5 mg/m3	
	TWA OSHA P0 1989-01-19	5 mg/m3	

#### Components with workplace control parameters

Components / CAS-No.	Value / Basis / Update	Control parameters	Further information
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	2007-01-01		
	TWA OSHA P0 1989-01-19	5 mg/m3	
kerosine (petroleum) 8008-20-6	TWA ACGIH 2007-01-01	200 mg/m3	

### Engineering measures

### Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : Impervious gloves

Skin and body protection : impervious clothing

Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

Hygiene measures : Electrically bond and ground all containers and equipment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : viscous liquid

Colour : brown

Odour : mild  
hydrocarbon-like

### Safety data

Flash point : > 356 °F (> 180 °C)  
Method: open cup

Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

Melting point/range : Note: no data available

Boiling point/boiling range : Note: no data available



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Vapour pressure : < 0.0008 hPa (0.080 mmHg)  
at 68 °F (20 °C)

Specific Gravity : > 1 at 25 °C

Water solubility : Note: negligible

Solubility in other solvents : Note: partly soluble

Viscosity, kinematic : >30 mm<sup>2</sup>/s  
at 104 °F (40 °C)

#### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Exposure to moisture.  
Contamination

Materials to avoid : Remarks: Oxidizing agents

Hazardous decomposition products : Note: Carbon oxides  
Sulphur oxides  
metal oxides

Hazardous reactions : Hazardous polymerisation does not occur.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: > 20,000 mg/kg  
Species: rat  
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity :  
Remarks: Not classified due to lack of data.

Skin irritation : Remarks: Not classified due to lack of data.

Eye irritation : Result: Eye irritation  
Classification: Irritating to eyes.

Sensitisation : Remarks: Not classified due to lack of data.

Aspiration toxicity : No aspiration toxicity classification



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### Toxicology Assessment

CMR effects : Carcinogenicity:  
Not classified due to lack of data.  
Mutagenicity:  
Not classified due to lack of data.  
Reproductive toxicity:  
Not classified due to lack of data.

Further information : No data is available on the product itself.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish :  
Remarks:  
no data available

### Elimination information (persistence and degradability)

Bioaccumulation : Remarks:  
no data available

Mobility : Remarks:  
no data available

Biodegradability : Result: no data available

### Further information on ecology

#### Ecotoxicology Assessment

Results of PBT assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Additional ecological information : The product itself has not been tested.

## SECTION 13. DISPOSAL CONSIDERATIONS

Further information : In accordance with local and national regulations.

## SECTION 14. TRANSPORT INFORMATION

### DOT

Not dangerous goods



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**TDG**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

### SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : Moderate eye irritant

**SARA 311/312 Hazards** : Acute Health Hazard

**California Prop. 65 Components** : WARNING! This product contains a chemical known to the State of California to cause cancer.

naphthalene

91-20-3  
naphthalene

**The components of this product are reported in the following inventories:**

**US.TSCA** On TSCA Inventory

**DSL** All components of this product are on the Canadian DSL list.

**AICS** On the inventory, or in compliance with the inventory

**NZIoC** On the inventory, or in compliance with the inventory

**ENCS** On the inventory, or in compliance with the inventory

**KECI** On the inventory, or in compliance with the inventory

**PICCS** On the inventory, or in compliance with the inventory

**IECSC** On the inventory, or in compliance with the inventory





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### CH INV

The formulation contains substances listed on the Swiss Inventory

## SECTION 16. OTHER INFORMATION

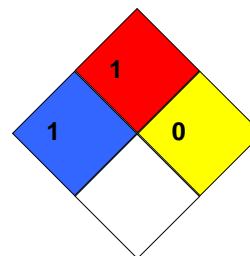
### Further information

#### HMIS Classification

: Health hazard: 1  
Flammability: 1  
Physical hazards: 0

#### NFPA Classification

: Health hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 0



### Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.