



# SAFETY DATA SHEET

## HYBASE® M-401

Version: 1.0

Revision Date: 03/02/2015

Print Date: 04/21/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: HYBASE® M-401

Product Use Description: Additive

Synonyms: HYBASE M-401, HYBASE M-400 TG

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

MSDSRequest@chemtura.com

Recommended use of the chemical and restrictions on use

Recommended use : Additive

Restrictions on use : Restricted to professional users.

### SECTION 2. HAZARDS IDENTIFICATION

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

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS Label element

Other hazards : None



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Not a hazardous substance or mixture.

### Carcinogenicity:

#### IARC

Group 3: Not classifiable as to its carcinogenicity to humans

Distillates (petroleum), 64741-89-5

solvent-refined light paraffinic

Distillates (petroleum), 64742-52-5

hydrotreated heavy

naphthenic

Distillates (petroleum), 64742-54-7

hydrotreated heavy paraffinic

#### 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.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

| Chemical Name  | CAS-No.    | Concentration (%) |
|--|------------|-------------------|
| Distillates (petroleum), solvent-refined heavy paraffinic        | 64741-88-4 | >= 30 - < 50 %    |
| Distillates (petroleum), solvent-refined light paraffinic        | 64741-89-5 | >= 30 - < 50 %    |
| Distillates (petroleum), solvent-refined heavy naphthenic        | 64741-96-4 | >= 30 - < 50 %    |
| Distillates (petroleum), hydrotreated heavy naphthenic           | 64742-52-5 | >= 30 - < 50 %    |
| Distillates (petroleum), hydrotreated heavy paraffinic           | 64742-54-7 | >= 30 - < 50 %    |
| magnesium carbonate  | 546-93-0   | >= 30 - < 50 %    |
| Benzenesulfonic acid, mono- and dialkyl derivs., magnesium salts | 71786-47-5 | >= 10 - < 20 %    |

## SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.  
Aspiration may cause pulmonary oedema and pneumonitis.  
If breathing is difficult, give oxygen.  
If symptoms persist, call a physician.
- In case of skin contact : Wash thoroughly after handling.  
If hot material contacts skin, immediately cool before attempting removal.  
If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Obtain medical attention.
- If swallowed : Obtain medical attention.



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Never give anything by mouth to an unconscious person.

Most important symptoms  
and effects, both acute and  
delayed

: None known.

Notes to physician

: For specialist advice physicians should contact the Poisons  
Information Service.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media

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

Unsuitable extinguishing  
media

: High volume water jet

Specific hazards during  
firefighting

: Do not use a solid water stream as it may scatter and spread  
fire.  
Burning produces irritant fumes.  
Exposure to decomposition products may be a hazard to  
health.

Specific extinguishing  
methods

: Cool containers/tanks with water spray.

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,  
protective equipment and  
emergency procedures

: Wear suitable protective equipment.

Environmental precautions

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

Methods and materials for  
containment and 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.



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### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.  
Wear suitable protective equipment.  
Avoid contact with skin, eyes and clothing.  
Keep tightly closed.  
Protect from contamination.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.
- Materials to avoid : Oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components  | CAS-No.    | Form of exposure         | Permissible concentration | Basis     |
|---|------------|--------------------------|---------------------------|-----------|
| Distillates (petroleum), solvent-refined heavy paraffinic | 64741-88-4 | TWA (Mist)               | 5 mg/m3                   | OSHA Z-1  |
|   |            | TWA (Inhalable fraction) | 5 mg/m3                   | ACGIH     |
|   |            | TWA (Mist)               | 5 mg/m3                   | NIOSH REL |
|   |            | ST (Mist)                | 10 mg/m3                  | NIOSH REL |
|   |            | TWA (Mist)               | 5 mg/m3                   | OSHA P0   |
| Distillates (petroleum), solvent-refined light paraffinic | 64741-89-5 | TWA (Mist)               | 5 mg/m3                   | OSHA Z-1  |
|   |            | TWA (Inhalable fraction) | 5 mg/m3                   | ACGIH     |
|   |            | TWA (Mist)               | 5 mg/m3                   | NIOSH REL |
|   |            | ST (Mist)                | 10 mg/m3                  | NIOSH REL |
|   |            | TWA (Mist)               | 5 mg/m3                   | OSHA P0   |
| Distillates (petroleum), solvent-refined heavy naphthenic | 64741-96-4 | TWA (Mist)               | 5 mg/m3                   | OSHA Z-1  |
|   |            | TWA (Inhalable fraction) | 5 mg/m3                   | ACGIH     |
|   |            | TWA (Mist)               | 5 mg/m3                   | NIOSH REL |
|   |            | ST (Mist)                | 10 mg/m3                  | NIOSH REL |
|   |            | TWA (Mist)               | 5 mg/m3                   | OSHA P0   |
| Distillates (petroleum), hydrotreated heavy naphthenic    | 64742-52-5 | TWA (Mist)               | 5 mg/m3                   | OSHA Z-1  |
|   |            | TWA (Inhalable fraction) | 5 mg/m3                   | ACGIH     |



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|   |            |                                      |          |           |
|---|------------|--------------------------------------|----------|-----------|
|   |            | TWA (Mist)                           | 5 mg/m3  | NIOSH REL |
|   |            | ST (Mist)                            | 10 mg/m3 | NIOSH REL |
|   |            | TWA (Mist)                           | 5 mg/m3  | OSHA P0   |
| Distillates (petroleum),<br>hydrotreated heavy paraffinic | 64742-54-7 | TWA (Mist)                           | 5 mg/m3  | OSHA Z-1  |
|   |            | TWA<br>(Inhalable<br>fraction)       | 5 mg/m3  | ACGIH     |
|   |            | TWA (Mist)                           | 5 mg/m3  | NIOSH REL |
|   |            | ST (Mist)                            | 10 mg/m3 | NIOSH REL |
|   |            | TWA (Mist)                           | 5 mg/m3  | OSHA P0   |
| magnesium carbonate                                       | 546-93-0   | TWA (total<br>dust)                  | 15 mg/m3 | OSHA Z-1  |
|   |            | TWA<br>(respirable<br>fraction)      | 5 mg/m3  | OSHA Z-1  |
|   |            | TWA<br>(Respirable)                  | 5 mg/m3  | NIOSH REL |
|   |            | TWA (total)                          | 10 mg/m3 | NIOSH REL |
|   |            | TWA (Total<br>dust)                  | 15 mg/m3 | OSHA P0   |
|   |            | TWA<br>(respirable<br>dust fraction) | 5 mg/m3  | OSHA P0   |

### Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.  
Respirator with combination filter for vapour/particulate (EN 141).

Hand protection  
Remarks : Impervious gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : impervious clothing

Hygiene measures : Take precautionary measures against static discharges.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous liquid

Color : brown

Odor : mild hydrocarbon-like

Boiling point/boiling range : No data available

Flash point : > 180 °C



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Method: open cup

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : < 0.0008 hPa (20 °C)

Relative density : 1.11 (15 °C)  
Method: No information available.

### Solubility(ies)

Water solubility : negligible

Solubility in other solvents : partly soluble

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : not determined

### Viscosity

Viscosity, dynamic : 100 - 200 mPa.s (100 °C)

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

## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.

Conditions to avoid : Exposure to moisture.  
Contamination

Incompatible materials : Oxidizing agents

Hazardous decomposition products :  
Carbon oxides  
Sulphur oxides

## SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : LD50: > 25,000 mg/kg



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Species: Rat

Remarks: Information given is based on data obtained from similar substances.

Aspiration toxicity (Product) : No aspiration toxicity classification

### CMR effects

Benzenesulfonic acid, mono- and dialkyl derivs., magnesium salts (Component) : Mutagenicity: Animal testing did not show any mutagenic effects.  
Reproductive toxicity: No toxicity to reproduction

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

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish (Product) : Remarks:  
No data available

### Toxicity to daphnia and other aquatic invertebrates

Benzenesulfonic acid, mono- and dialkyl derivs., magnesium salts (Component) : EL50: > 1,000 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
static test

### Toxicity to algae

Benzenesulfonic acid, mono- and dialkyl derivs., magnesium salts (Component) : EL50: > 1,500 mg/l  
Exposure time: 72 h  
Species: Pseudokirchneriella subcapitata (green algae)  
static test

### Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:  
No data available

Mobility (Product) : Remarks:  
No data available

Biodegradability (Product) : Result: No data available



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### Further information on ecology

#### Ecotoxicology Assessment

Results of PBT assessment (Product)

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information (Product) : No information on ecology is available.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : In accordance with local and national regulations.

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## SECTION 14. TRANSPORT INFORMATION

### ADR

Not dangerous goods

### RID

Not dangerous goods

### MERCOSUR

Not dangerous goods

### DOT

Not dangerous goods

### IATA

Not dangerous goods

### IMDG

Not dangerous goods

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## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.





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**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

|                |   |
|----------------|---|
| <b>US.TSCA</b> | On TSCA Inventory                                       |
| <b>DSL</b>     | All components of this product are on the Canadian DSL. |
| <b>NZIoC</b>   | On the inventory, or in compliance with the inventory   |
| <b>AICS</b>    | On the inventory, or in compliance with the inventory   |
| <b>ENCS</b>    | On the inventory, or in compliance with the inventory   |
| <b>KECI</b>    | On the inventory, or in compliance with the inventory   |
| <b>PICCS</b>   | On the inventory, or in compliance with the inventory   |
| <b>IECSC</b>   | On the inventory, or in compliance with the inventory   |

## SECTION 16. OTHER INFORMATION

### Further information

#### 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.