



SAFETY DATA SHEET

Hybase® C-401

Version: 1.4
Date of Issue: 13.05.2009
Date printed: 19.07.2009

Chemtura Corporation urges the recipient of this Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet, (2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the substance or preparation: Hybase® C-401

Chemical name: Oil Soluble Calcium Sulfonate, Overbased
Synonyms: Calcium sulfonate

Use of substance/preparation: Petroleum Additive

Company identification: Chemtura Europe Limited
4 Langley Quay
Kennet House
Slough Berkshire
SL3 6EH
United Kingdom

Manufacturer: Chemtura Corporation
565 Coronation Drive
West Hill, Ontario M1E 2K3
Canada

Emergency telephone number: +44 (0)208 762 8322
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

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Prepared by Product Safety Department Date of Issue: 13.05.2009
(US) +1 866-430-2775
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Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

Main hazards and effects:
None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT	HAZARD	DANGER SYMBOL(S)
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No hazardous ingredients
CAS# -
EINECS/ELINCS# -
This is not a dangerous substance.

4. FIRST AID MEASURES**Swallowing**

Obtain medical attention. Never give anything by mouth to an unconscious person. Not expected to be toxic by ingestion.

Inhalation

Remove to fresh air. Aspiration may cause pulmonary edema or aspiration pneumonia. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention if symptoms persist.

Skin contact

Wash thoroughly with warm water using a mild soap. If hot material contacts skin, immediately cool before attempting removal. If irritation persists or if contact has been prolonged, obtain medical attention.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point: > 180 °C

Hazardous combustion products

Combustion may produce the following products:

Oxides of carbon.
Oxides of sulfur.
Oxides of calcium.

Special fire fighting procedures

Use water spray to cool fire-exposed containers and structures.

Special protective equipment for firefighters

Self-contained breathing apparatus with full face-piece operated in positive pressure mode.
Body covering protective clothing, full "turn-out" gear.

Extinguishing media**Suitable:**

Small fires:

- CO2
- dry chemical
- dry sand
- vermiculite

Large fires:

- Treat as an oil fire.
- water fog
 - foam

Unsuitable:

Oil will float on water and can spread any fire.

Unusual fire and explosion hazards

This product poses no unusual fire fighting problems., Burning can produce the following combustion products:, Oxides of carbon., Oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES



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Personal precautions

Wear suitable protective equipment.

Environmental precautions

Prevent from entering sewer system or surface water.

Methods for cleaning up

Stop the leak if it can be done without risk.

Large spill:

Dike area of spill to prevent spreading and pump liquid to salvage tank.

Small spill:

Soak up with absorbent material.

Transfer absorbent material to a suitable waste container.

Dispose according to regulatory requirements.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Keep drums tightly closed to prevent contamination., Avoid contact with eyes, skin and clothing., Wear recommended personal protection equipment.

Other precautions

Electrically bond and ground all containers and equipment.

STORAGE

Storage requirements

Normal precautions common to good safety practice should be followed in storage.

Further information on storage

Keep away from strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Mineral Oil Mist	TWA (mist), ACGIH	5,0 mg/m3	If used in way that generates a "mist" observe the limits for Mineral Oil Mist.
	STEL (mist), ACGIH	10,0 mg/m3	

PERSONAL PROTECTION

Respiratory protection

None required in normal use., NIOSH approved respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.

Hand protection / protective gloves

Wear oil resistant gloves.

Eye protection

Monogoggles, Face shield if risk of splashing

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact., Use heat protective equipment (such as gloves, long sleeves, and aprons) when handling molten material.

Industrial hygiene measures

Do not eat or drink at work.

ENGINEERING CONTROLS

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Ventilation

For normal applications, special ventilation is not necessary., Local ventilation is needed in the presence of airborne mists.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Viscous liquid
Color	Brown
Odor	Mild petroleum

OTHER PROPERTIES

Boiling point	Not available
Density	> 1 g/cm ³ at 25 °C
Solubility in water	Negligible
Solubility in organic solvents	Partially soluble
Partitioning coefficient	No data available.
Flash point	> 180 °C Method: Cleveland open cup ASTM D 92
Kinematic viscosity	> 30 mm ² /s at 40 °C

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.

Incompatible materials:

Oxidizing agents.

Hazardous combustion products:

Combustion may produce the following products:

Oxides of carbon.
Oxides of sulfur.
Oxides of calcium.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Acute effects

No evidence of harmful effects from available information.

May cause the following effects:

- diarrhea

Test results

Acute toxicity:

LD50 Rat

Result: > 20.000 mg/kg

Remark: Test results are based on analogy with a similar material.

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SKIN ABSORPTION

Acute effects

May cause the following effects:

- irritation

Test results

Acute toxicity:

Remark: No data available.

INHALATION

Acute effects

No information available.

Mist or spray may cause the following effects:

- delayed onset of pulmonary edema

Test results

Acute toxicity:

Remark: No data available.

EYE CONTACT

Acute effects

May cause irritation.

12. ECOLOGICAL INFORMATION

No information available.

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

13. DISPOSAL CONSIDERATIONS

General:

Do not discharge to sewers and natural waters., Incinerate in a furnace where permitted under national and local regulations.

14. TRANSPORT INFORMATION

ADR/RID

(when transported <100°C) This product is not regulated by ICAO.

IMDG Classification

Not regulated if shipped or transported at temperatures under 100°C (212 °F) or in containers less than 450 liter.

ICAO/IATA Classification

This product is not regulated by ICAO @ <100°C

FORBIDDEN BY AIR @ >= 100°C

15. REGULATORY INFORMATION

EC classification

Not classified as dangerous under the requirements of the Dangerous Substances Directive or the Dangerous Preparations Directive.

WGK : 2, KBwS classification
1495



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(Self classification according to VwVwS, Annex II)

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.
Europe: The ingredients of this mixture are on the EINECS inventory.
United States: The ingredients of this product are on the TSCA inventory.
Australia: The ingredients of this product are on the AICS inventory.
China: The ingredients of this product are on the IECSC inventory.
Japan: The ingredients of this product are on the ENCS inventory.
Korea: The ingredients of this product are on the ECL.
Philippines: The ingredients of this product are on the PICCS.

16. OTHER INFORMATION

FURTHER INFORMATION

According to Regulation (EU) No. 1907/2006

Carechem24 International Worldwide Coverage - *Chemtura Corporation*

Emergency Telephone Numbers

Europe:	All European Countries	+44 (0)208 762 8322
Asia Pacific:	Australia, New Zealand	+44 (0)870 190 6777
	China, Hong Kong, Singapore, Philippines, Taiwan, Vietnam, India	+65 63 222 513
	Japan, North & South Korea	+65 63 222 514
	Indonesia	+62 21 230 5992
	Malaysia	+60 3 205 35 754
	Thailand	+66 2 642 7851
Middle East:	Arabic speaking countries	+961 3 487 287
	All other countries	+44 (0)208 762 8322
Africa:	Arabic speaking countries	+961 3 487 287
	All other countries	+44 (0)208 762 8322
Latin America:	All	+44 (0)208 762 8322
China:	All	+86 10 5100 3039

STP	Standard temperature and pressure
W/W	Weight/Weight

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