

Safety data sheet

RHEOPEL PLUS

Revision date : 2009/04/02
Version: 1.0

Page: 1/6
(30367763/SDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF Construction Chemicals
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
2943-75-1	$\geq 30.0 - \leq 60.0$ %	Triethoxycaprylylsilane
64-17-5	$\geq 0.1 - \leq 1.0$ %	Ethanol

3. Hazard identification

Emergency overview

WARNING: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
Ingestion may cause irritation to mucous membranes.
Avoid contact with the skin, eyes and clothing.
Wash thoroughly after handling.
Keep container tightly closed.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

No data available.

Information on: Ethanol

Virtually nontoxic after a single ingestion.

Virtually nontoxic by inhalation.

High concentrations in the air may cause narcosis.

Irritation:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Ethanol

Not irritating to the skin. May cause slight irritation to the eyes.

Potential environmental effects

Aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected.

Safety data sheet

RHEOPEL PLUS

Revision date : 2009/04/02

Version: 1.0

Page: 2/6

(30367763/SDS_GEN_US/EN)

There is a high probability that the product is not acutely harmful to aquatic organisms.
The product has not been tested. The statement has been derived from products of a similar structure and composition.

4. First-aid measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Flash point: 100 °C
201 °F

Lower explosion limit: No data available.

Upper explosion limit: No data available.

Suitable extinguishing media:

carbon dioxide, dry extinguishing media, water fog

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Safety data sheet

RHEOPEL PLUS

Revision date : 2009/04/02
Version: 1.0

Page: 3/6
(30367763/SDS_GEN_US/EN)

Cleanup:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. Handling and storage

Handling

General advice:

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

The substance/product is non-combustible. The product does not contribute to the spreading of flames, nor is it self combustible, not explosive. Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed.

Temperature tolerance

Protect from temperatures below: 32 °F

The packed product must be protected from temperatures below the indicated one.

8. Exposure controls and personal protection

Components with workplace control parameters

Ethanol	OSHA	PEL 1,000 ppm 1,900 mg/m3 ;
	ACGIH	TWA value 1,000 ppm ;

Personal protective equipment

Respiratory protection:

When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and chemical properties

Form: liquid

Safety data sheet

RHEOPEL PLUS

Revision date : 2009/04/02

Page: 4/6

Version: 1.0

(30367763/SDS_GEN_US/EN)

Odour:	mild, alcohol-like	
Colour:	off-white	
pH value:	7 - 8	
Vapour pressure:		No data available.
Relative density:	0.99	
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Viscosity, dynamic:		No data available.
Solubility in other solvents:		soluble

10. Stability and reactivity

Conditions to avoid:

Avoid extreme temperatures.

Substances to avoid:

oxidizing agents

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

Decomposition products:

irritant gases/vapours, carbon oxides, nitrogen oxides

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Acute toxicity

Inhalation:

Inhalation may cause central nervous system depression (effects include headache, weakness, drowsiness, lightheadedness, vertigo, loss of consciousness), respiratory tract irritation, asphyxiation, cardiac stress and coma.

Chronic toxicity

Repeated dose toxicity:

Overexposure may cause liver and kidney toxicity.

Reproductive toxicity:

Information on: Ethanol

The potential to impair fertility cannot be excluded when given at high doses.

Significant overexposure during pregnancy may cause birth defects.

Developmental toxicity/teratogenicity:

Information on: Ethanol

The potential to cause toxicity to development cannot be excluded when given in high doses.

A teratogenic potential cannot be excluded.

Other information:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Safety data sheet

RHEOPEL PLUS

Revision date : 2009/04/02
Version: 1.0

Page: 5/6
(30367763/SDS_GEN_US/EN)

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:
Ecological data are not available.

13. Disposal considerations

Waste disposal of substance:

Recommendations: Use excess product in an alternate beneficial application.
Do not discharge into drains/surface waters/groundwater.
Dispose of in accordance with local authority regulations.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US released / listed

OSHA hazard category: effects reported

IARC 1, 2A or 2B carcinogen, NTP listed carcinogen, Chronic target organ

SARA hazard categories (EPCRA 311/312): Acute

State regulations

Safety data sheet

RHEOPEL PLUS

Revision date : 2009/04/02

Version: 1.0

Page: 6/6

(30367763/SDS_GEN_US/EN)

State RTK

CAS Number

64-17-5

Chemical name

Ethanol

State RTK

MA, NJ, PA

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. Other information

HMIS III rating

Health: 2⁺ Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

END OF DATA SHEET