

Safety Data Sheet

HYDROZO 100 PLUS

Revision date : 2011/03/30
Version: 2.0

Page: 1/7
(30367856/SDS_GEN_US/EN)

1. Product and Company Identification

Use: Product for construction chemicals

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

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

2. Hazards Identification

Emergency overview

WARNING:
COMBUSTIBLE LIQUID AND VAPOR.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.
Contains a suspect teratogen.
Contains a suspected reproductive toxin.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

State of matter: liquid
Colour: colourless
Odour: alcohol-like

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:

Vapours may cause drowsiness and dizziness.

Irritation / corrosion:

Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

Sensitization:

There is no evidence of a skin-sensitizing potential.

Safety Data Sheet

HYDROZO 100 PLUS

Revision date : 2011/03/30
Version: 2.0

Page: 2/7
(30367856/SDS_GEN_US/EN)

Chronic toxicity:

Repeated dose toxicity: Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

Potential environmental effects

Aquatic toxicity:

No data available concerning aquatic toxicity.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
2943-75-1	60.0 - 100.0 %	Triethoxycaprylylsilane
141-78-6	0.5 - 1.5 %	ethyl acetate
64-17-5	0.5 - 1.5 %	Ethanol

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:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

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.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

5. Fire-Fighting Measures

Flash point: 63 °C (ASTM D3278)

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

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:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

Safety Data Sheet

HYDROZO 100 PLUS

Revision date : 2011/03/30
Version: 2.0

Page: 3/7
(30367856/SDS_GEN_US/EN)

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.

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:

Keep away from heat. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

General advice:

Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

Storage incompatibility:

General advice: Segregate from metals. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

Temperature tolerance

Protect from temperatures below: 0 °C

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/m ³	;
	ACGIH	STEL 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., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Safety Data Sheet

HYDROZO 100 PLUS

Revision date : 2011/03/30
Version: 2.0

Page: 4/7
(30367856/SDS_GEN_US/EN)

Body protection:

Body protection must be chosen based on level of activity and exposure.

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	
Odour:	alcohol-like	
Colour:	colourless	
pH value:		not applicable
Boiling point:	73 - 170 °C	
Density:	approx. 0.9 g/cm ³	(20 °C)
Vapour density:		Heavier than air.
Solubility in water:		insoluble

10. Stability and Reactivity

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

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

Decomposition products:

Thermal decomposition products: carbon oxides, aldehydes, silicon oxides

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

11. Toxicological information

Irritation / corrosion

Information on: ethyl acetate

Assessment of irritating effects:

Irritating to eyes. Not irritating to the skin.

Repeated dose toxicity

Information on: Ethanol

Assessment of repeated dose toxicity:

The substance may cause damage to the liver after repeated ingestion. Repeated inhalative uptake of the substance did not cause substance-related effects. The substance may cause damage to the peripheral nervous system after repeated ingestion of high doses. The substance may cause damage to the central nervous system after repeated ingestion of high doses.

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.

Safety Data Sheet

HYDROZO 100 PLUS

Revision date : 2011/03/30
Version: 2.0

Page: 5/7
(30367856/SDS_GEN_US/EN)

Development:

Information on: Ethanol
May cause birth defects and damage to reproductive system.
A teratogenic potential cannot be excluded.

Experiences in humans:

According to experience, the product is considered to be harmless to health if used in the correct manner. Has degreasing effect on the skin.

Other Information:

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

Information on: ethyl acetate
Has a degreasing effect on skin.

12. Ecological Information

Other adverse effects:

Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

Recommendations: Use excess product in an alternate beneficial application. Dispose of in accordance with national, state and local regulations.
Dispose of in accordance with national, state and local 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

Classified as combustible liquid in containers greater than 119 gallons.

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Safety Data Sheet

HYDROZO 100 PLUS

Revision date : 2011/03/30
Version: 2.0

Page: 6/7
(30367856/SDS_GEN_US/EN)

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category: IARC 1, 2A or 2B carcinogen; NTP listed carcinogen; Chronic target organ effects reported

EPCRA 311/312 (Hazard categories): Chronic;

State regulations

State RTK

MA, NJ, PA

CAS Number

141-78-6

Chemical name

ethyl acetate

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 \square Flammability: 2 Physical hazard: 0

NFPA and HMIS use 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 extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:

BASF NA Product Regulations

msds@basf.com

MSDS Prepared on: 2011/03/30

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Safety Data Sheet

HYDROZO 100 PLUS

Revision date : 2011/03/30
Version: 2.0

Page: 7/7
(30367856/SDS_GEN_US/EN)

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