



The Chemical Company

30

Safety data sheet PRIMER 733

Revision date : 2009/08/06
Version: 1.0

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(30338186/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> |
|-------------------|----------------------|---|
| 108-88-3 | 30.0 - 60.0 % | Toluene |
| 108-65-6 | 10.0 - 30.0 % | 1-methoxy-2-propylacetate |
| 9017-09-8 | 7.0 - 13.0 % | 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 1,3-diisocyanatomethylbenzene |
| 1305-78-8 | 1.0 - 5.0 % | calcium oxide |
| 1330-20-7 | 1.0 - 5.0 % | Xylene |
| 100-41-4 | 0.5 - 1.5 % | ethylbenzene |

3. Hazard identification

Emergency overview

WARNING: FLAMMABLE 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.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

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:

Information on: ethylbenzene

Of moderate toxicity after short-term inhalation.

Virtually nontoxic after a single skin contact.

Of low toxicity after single ingestion.

Information on: Xylene

Of moderate toxicity after short-term inhalation.

Of moderate toxicity after short-term skin contact.

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EU-classification

High concentrations in the air may cause narcosis.

Virtually nontoxic after a single ingestion.

Information on: Toluene

Vapours may cause drowsiness and dizziness.

Irritation:

Irritating to eyes, respiratory system and skin.

Information on: calcium oxide

Corrosive! Damages skin and eyes. Information on: ethylbenzene

Not irritating to the eyes. Skin contact causes irritation. Information on: Toluene

Skin contact causes irritation. Eye contact causes irritation.

Sensitization:

There is no evidence of a skin-sensitizing potential.

Repeated dose toxicity:

Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

Information on: Xylene

Overexposure may cause liver and kidney toxicity.

The substance may cause damage to the central nervous system after repeated ingestion of high doses.

Information on: Toluene

Repeated inhalation exposure may affect certain organs.

Potential environmental effects

Aquatic toxicity:

No data available concerning aquatic toxicity.

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.

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

5. Fire-Fighting Measures

| | |
|------------------------|----------|
| Flash point: | 18.33 °C |
| Lower explosion limit: | 1.0 %(V) |
| Upper explosion limit: | 7.1 %(V) |

Suitable extinguishing media:

foam, water spray, dry extinguishing media, carbon dioxide

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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.

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

8. Exposure controls and personal protection

Components with workplace control parameters

| | | |
|---------------|-------|--|
| Toluene | OSHA | TWA value 200 ppm ; CLV 300 ppm ; max. conc. 500 ppm ; |
| | ACGIH | TWA value 20 ppm ; |
| calcium oxide | OSHA | PEL 5 mg/m3 ; |
| | ACGIH | TWA value 2 mg/m3 ; |
| Xylene | OSHA | PEL 100 ppm 435 mg/m3 ; |
| | ACGIH | TWA value 100 ppm ; STEL value 150 ppm ; |
| ethylbenzene | OSHA | PEL 100 ppm 435 mg/m3 ; |

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ACGIH TWA value 100 ppm ; STEL value 125 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).

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: | strong, solvent-like | |
| Colour: | amber | |
| pH value: | | not applicable |
| Boiling point: | 111.11 - 251.11 °C | |
| Vapour pressure: | | No data available. |
| Density: | 1.07 g/cm3 | |
| Vapour density: | | Heavier than air. |
| Partitioning coefficient n-octanol/water (log Pow): | | No data available. |
| Solubility in water: | | slightly soluble |

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

Oxidizing properties:

not fire-propagating

11. Toxicological information

Chronic toxicity

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Carcinogenicity:

Information on: ethylbenzene

IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

NTP listed carcinogen

Developmental toxicity/teratogenicity:

Information on: Xylene

A teratogenic potential cannot be excluded.

Information on: Toluene

Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

Experiences in humans:

According to experience, the product is considered to be harmless to health if used in the correct manner.

Other Information:

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

12. Ecological Information

Environmental toxicity

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels. According to experience, the material has no harmful effect on the environment.

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.

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

| | |
|-----------------------|--------------------------|
| Hazard class: | 3 |
| Packing group: | II |
| ID number: | UN 1263 |
| Hazard label: | 3 |
| Proper shipping name: | PAINT (contains TOLUENE) |

Sea transport

IMDG

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Hazard class: 3
Packing group: II
ID number: UN 1263
Hazard label: 3
Marine pollutant: NO
Proper shipping name: PAINT (contains TOLUENE)

Air transport

IATA/ICAO

Hazard class: 3
Packing group: II
ID number: UN 1263
Hazard label: 3
Proper shipping name: PAINT (contains TOLUENE)

15. Regulatory Information

Federal Regulations

Registration status:
TSCA, US released / listed

OSHA hazard category: IARC 1, 2A or 2B carcinogen, Chronic target organ effects reported, OSHA PEL established, ACGIH TLV established, Flammable Liquid

SARA hazard categories (EPCRA 311/312): Acute, Chronic, Fire

SARA 313:

| <u>CAS Number</u> | <u>Chemical name</u> |
|-------------------|----------------------|
| 100-41-4 | ethylbenzene |
| 108-88-3 | Toluene |
| 1330-20-7 | Xylene |

State regulations

State RTK

| <u>CAS Number</u> | <u>Chemical name</u> | <u>State RTK</u> |
|-------------------|----------------------|------------------|
| 108-88-3 | Toluene | MA, NJ, PA |
| 1305-78-8 | calcium oxide | MA, NJ, PA |
| 1330-20-7 | Xylene | MA, PA |
| 100-41-4 | ethylbenzene | 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: 3 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