

# Safety data sheet

Page: 1/8

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 10.06.2010

Version: 1.0

Product: UCRETE PART 2 PRIMER LC/LC AS/B6AS

(30440093/SDS\_GEN\_EU/EN)

Date of print 10.11.2010

## 1. Identification of the substance/mixture and of the company/undertaking

### UCRETE PART 2 PRIMER LC/LC AS/B6AS

Use: Product for construction chemicals

Company:

BASF South East Asia Pte Ltd.

7 Temasek Boulevard,

#35-01 Suntec Tower One, 038987, SINGAPORE

Contact address:

BASF SE

67056 Ludwigshafen

GERMANY

Telephone: +49 621 60-0

E-mail address: global.info@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

## 2. Hazards Identification

### Possible Hazards (according to Directive 67/548/EWG or 1999/45/EC)

Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

May cause sensitization by inhalation and skin contact.

## 3. Composition/Information on Ingredients

Chemical nature

Blend based on: Polymer, modified

Hazardous ingredients

according to Directive 1999/45/EC

**Diphenylmethane-4,4'-diisocyanate (MDI)**

Content (W/W): &gt; 1 % - &lt;= 23 %

CAS Number: 101-68-8

EC-Number: 202-966-0

INDEX-Number: 615-005-00-9

Hazard symbol(s): Xn

R-phrases: 20, 36/37/38, 42/43

**diphenylmethane-2,4'-diisocyanate**

Content (W/W): &gt;= 0.1 % - &lt; 3 %

CAS Number: 5873-54-1

EC-Number: 227-534-9

INDEX-Number: 615-005-00-9

Hazard symbol(s): Xn

R-phrases: 20, 36/37/38, 42/43

**P-MDI**

Content (W/W): &gt;= 70 % - &lt;= 100 %

CAS Number: 9016-87-9

Hazard symbol(s): Xn

R-phrases: 20, 36/37/38, 42/43

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

---

## 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.

**On skin contact:**

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.

**On contact with eyes:**

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

**On ingestion:**

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.

---

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:  
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:  
water jet

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

Special protective equipment:  
Wear a self-contained breathing apparatus.

Further information:  
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. 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.

Methods for cleaning up or taking up:  
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

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

### Storage

Suitable materials for containers: High density polyethylene (HDPE)  
Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

Protect from temperatures below: 5 °C  
The packed product must be protected from temperatures below the indicated one.

Protect from temperatures above: 50 °C

---

## 8. Exposure Controls/Personal Protection

### Components with workplace control parameters

101-68-8: Diphenylmethane-4,4'-diisocyanate (MDI)

5873-54-1: diphenylmethane-2,4'-diisocyanate

9016-87-9: P-MDI

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

#### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other. Manufacturer's directions for use should be observed because of great diversity of types.

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. 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  
Colour: dark brown  
Odour: earthy

pH value: slightly alkaline

---

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 10.06.2010

Version: 1.0

Product: **UCRETE PART 2 PRIMER LC/LC AS/B6AS**

(30440093/SDS\_GEN\_EU/EN)

Date of print 10.11.2010

---

Boiling point:	350 °C (1,013 hPa)	
Flash point:	> 200 °C	(DIN 53213-1)
Ignition temperature:	> 400 °C	
Self ignition:	not self-igniting	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	< 0.0001 hPa (50 °C)	
Density:	approx. 1.24 g/cm <sup>3</sup> (20 °C)	
Viscosity, dynamic:	90 - 300 mPa.s (23 °C)	

---

## 10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
------------------------	---

Substances to avoid:

strong acids, strong bases, oxidizing agents, amines, alcohols

Hazardous reactions:

On contact with water, gaseous decomposition products are formed, which cause build-up of pressure in tightly closed containers. Reacts with amines. Reacts with alcohols. The progress of reaction is exothermic. If product is heated above decomposition temperature toxic vapours may be released. The product is stable if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

Harmful by inhalation.

*Information on: Diphenylmethane-4,4'-diisocyanate (MDI)**Experimental/calculated data:**LD50 rat (oral): > 10,000 mg/kg**Literature data.*  
-----*Information on: Diphenylmethane-4,4'-diisocyanate (MDI)*

---

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 10.06.2010

Version: 1.0

Product: **UCRETE PART 2 PRIMER LC/LC AS/B6AS**

(30440093/SDS\_GEN\_EU/EN)

Date of print 10.11.2010

---

*Experimental/calculated data:*  
*LD50 rabbit (dermal): > 9,400 mg/kg*  
*Literature data.*  
-----

## **Irritation**

*Information on: P-MDI*  
*Assessment of irritating effects:*  
*Irritating to eyes, respiratory system and skin.*  
-----

## **Respiratory/Skin sensitization**

*Information on: P-MDI*  
*Assessment of sensitization:*  
*The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.*  
-----

---

## **12. Ecological Information**

### **Ecotoxicity**

*Information on: Diphenylmethane-4,4'-diisocyanate (MDI)*  
*Toxicity to fish:*  
*LC0 (96 h) > 1,000 mg/l, Brachydanio rerio (OECD Guideline 203, static)*  
-----

*Information on: Diphenylmethane-4,4'-diisocyanate (MDI)*  
*Aquatic invertebrates:*  
*EC50 (24 h) > 1,000 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)*  
-----

*Information on: Diphenylmethane-4,4'-diisocyanate (MDI)*  
*Aquatic plants:*  
*EC0 (72 h) 1,640 mg/l (growth rate), Scenedesmus subspicatus (OECD Guideline 201, static)*  
-----

### **Additional information**

Other ecotoxicological advice:  
Do not allow to enter soil, waterways or waste water channels.

---

## **13. Disposal Considerations**

Observe national and local legal requirements.  
Residues should be disposed of in the same manner as the substance/product.

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 10.06.2010

Version: 1.0

Product: **UCRETE PART 2 PRIMER LC/LC AS/B6AS**

(30440093/SDS\_GEN\_EU/EN)

Date of print 10.11.2010

Contaminated packaging:

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**

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

**Inland waterway transport**

ADNR

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

**Regulations of the European union (Labelling) / National legislation/Regulations**Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)

Xn

Harmful.

R-phrase(s)

R20

Harmful by inhalation.

R36/37/38

Irritating to eyes, respiratory system and skin.

R42/43

May cause sensitization by inhalation and skin contact.

S-phrase(s)	
S2	Keep out of the reach of children.
S23.9	Do not breathe gas/vapour/fume/spray.
S51	Use only in well-ventilated areas.
S37	Wear suitable gloves.
S24	Avoid contact with skin.
S63	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
S46	If swallowed, seek medical advice immediately and show this container or label.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S35	This material and its container must be disposed of in a safe way.

Contains isocyanates. Observe manufacturer's instructions.

May produce an allergic reaction.

Hazard determining component(s) for labelling: P-MDI

### Other regulations

---

## 16. Other Information

Due to the merger of Degussa Construction chemicals and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Xn	Harmful.
20	Harmful by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
42/43	May cause sensitization by inhalation and skin contact.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.