

Safety data sheet

Page: 1/11

BASF Safety data sheet

Date / Revised: 24.01.2018

Product: **Ucrete PT2 COMMON**

Version: 4.0

(30610608/SDS_GEN_AU/EN)

Date of print 07.08.2018

1. Substance/preparation and manufacturer/supplier identification

Ucrete PT2 COMMON

Use: Product for construction chemicals

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat. 4 (Inhalation - vapour)

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Respiratory sensitization: Cat. 1

Skin sensitization: Cat. 1

Carcinogenicity: Cat. 2

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Specific target organ toxicity — repeated exposure: Cat. 2

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

Precautionary Statements (Prevention):

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P271	Use only outdoors or in a well-ventilated area.
P260	Do not breathe dust/gas/mist/vapours.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P284	In case of inadequate ventilation wear respiratory protection.
P272	Contaminated work clothing should not be allowed out of the workplace.
P264	Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P308 + P311	IF exposed or concerned: Call a POISON CENTER or doctor/physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314	Get medical advice/attention if you feel unwell.
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/information on ingredients

Chemical nature

Blend based on: isocyanate

Hazardous ingredients

P-MDI

Content (W/W): $\geq 25\%$ - $< 50\%$ CAS Number: 9016-87-9	Acute Tox.: Cat. 4 (Inhalation - vapour) Eye Dam./Irrit.: Cat. 2A Skin Corr./Irrit.: Cat. 2 STOT SE: Cat. 3 (irr. to respiratory syst.) Skin Sens.: Cat. 1 Resp. Sens.: Cat. 1 Carc.: Cat. 2 STOT RE: Cat. 2 (Inhalation - vapour)
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Diphenylmethane-4,4'-diisocyanate (MDI)

Content (W/W): $\geq 25\%$ - $< 50\%$ CAS Number: 101-68-8	Acute Tox.: Cat. 4 (Inhalation - mist) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2B Resp. Sens.: Cat. 1 Skin Sens.: Cat. 1B Carc.: Cat. 2 STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE (Respiratory system): Cat. 2 (by inhalation)
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diphenylmethane-2,4'-diisocyanate

Content (W/W): $\geq 3\%$ - $< 7\%$ CAS Number: 5873-54-1	Acute Tox.: Cat. 4 (Inhalation - mist) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2A Resp. Sens.: Cat. 1 Skin Sens.: Cat. 1 Carc.: Cat. 2 STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE: Cat. 2
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| Benzene, 1,1'-methylenebis[2-isocyanato-

Content (W/W): $\geq 0.1\%$ - $< 1\%$ CAS Number: 2536-05-2	Acute Tox.: Cat. 4 (Inhalation - vapour) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2A Resp. Sens.: Cat. 1 Skin Sens.: Cat. 1 Carc.: Cat. 2 STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE: Cat. 2
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4. First-Aid Measures

General advice:

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

If inhaled:

Keep patient calm, remove to fresh air. If symptoms persist, seek medical advice.

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.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposures.

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

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. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Avoid breathing dust/fume/gas/mist/vapours/spray. Wear eye/face protection. Use personal protective clothing. 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 suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

For large amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling

Avoid inhalation of dusts/mists/vapours. Avoid skin contact. Ensure adequate ventilation. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Product is not explosive.

Storage

Observe VCI storage rules.

Suitable materials for containers: High density polyethylene (HDPE), Carbon steel (Iron)

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

8. Exposure controls and personal protection

Components with occupational exposure limits

Diphenylmethane-4,4'-diisocyanate (MDI), 101-68-8;
TWA value 0.005 ppm (ACGIHTLV)
TWA value 0.02 mg/m³ (AU NOEL)
STEL value 0.07 mg/m³ (AU NOEL)
TWA value 0.02 mg/m³ (OEL (AU))
STEL value 0.07 mg/m³ (OEL (AU))

Benzene, 1,1'-methylenebis[2-isocyanato-, 2536-05-2;

	<p>STEL value 0.07 mg/m³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries. TWA value 0.02 mg/m³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries.</p>
diphenylmethane-2,4'-diisocyanate, 5873-54-1;	<p>STEL value 0.07 mg/m³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries. TWA value 0.02 mg/m³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries.</p>
P-MDI, 9016-87-9;	<p>TWA value 0.02 mg/m³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries. STEL value 0.07 mg/m³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries. TWA value 0.02 mg/m³ (OEL (AU)) Measured as: NCO STEL value 0.07 mg/m³ (OEL (AU)) Measured as: NCO</p>
Isocyanic acid, polymethylenepolyphenylene ester (P-MDI), 9016-87-9;	<p>TWA value 0.02 mg/m³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries. STEL value 0.07 mg/m³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries. TWA value 0.02 mg/m³ (OEL (AU)) Measured as: NCO STEL value 0.07 mg/m³ (OEL (AU)) Measured as: NCO</p>

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:

impermeable gloves

Synthetic rubber gloves

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 based on level of activity and exposure.

General safety and hygiene measures:

Do not inhale dust/fumes/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. 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). When using do not eat or drink.

9. Physical and Chemical Properties

Form:	liquid	
Colour:	dark brown	
Odour:	characteristic	
Odour threshold:	No applicable information available.	
pH value:	slightly alkaline	
Melting temperature:	not applicable	
Boiling point:	approx. 350 °C (1,013 hPa)	
Flash point:	> 200 °C	(DIN 53213-1)
Evaporation rate:	not determined	
Ignition temperature:	> 400 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Density:	approx. 1.24 g/cm ³ (20 °C)	
Relative vapour density (air):	not determined	
Solubility in water:	not soluble (20 °C)	
Miscibility with water:	(20 °C) immiscible	
Partitioning coefficient n-octanol/water (log Pow):	Study does not need to be conducted.	

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Viscosity, dynamic: approx. 90 - 300 mPa.s
(23 °C)

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

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, strong oxidizing agents, strong reducing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

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

| No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

| Of moderate toxicity after short-term inhalation.

Irritation

Assessment of irritating effects:

| Eye contact causes irritation. Skin contact causes irritation.

Respiratory/Skin sensitization

Assessment of sensitization:

| The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.

Germ cell mutagenicity

Assessment of mutagenicity:

| The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:

| Indication of possible carcinogenic effect in animal tests.

Reproductive toxicity

Assessment of reproduction toxicity:

| The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:

| The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

| Causes temporary irritation of the respiratory tract.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

| Repeated exposure may affect certain organs.

Aspiration hazard

| No aspiration hazard expected.

Other relevant toxicity 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 the properties of the individual components.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Mobility

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
Not readily biodegradable (by OECD criteria).

Bioaccumulation potential

Assessment bioaccumulation potential:
Discharge into the environment must be avoided.

Additional information

Other ecotoxicological advice:
There is a high probability that the product is not acutely harmful to aquatic organisms. Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal Considerations

Observe national and local legal requirements.
The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.
Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Domestic transport:

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

