

Ident-No: AGOMET PU 655 B

Version 3
Revision Date 06.03.2007

Print Date 08.03.2007

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product information

Trade name : AGOMET PU 655 B

Company : Huntsman Advanced Materials (Europe)BVBA
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3078 Everberg / Belgium

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Emergency telephone number : +41 61 966 40 00 (in France ORFILA : +33(0)145425959)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Isocyanate based on MDI preparation

Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrase(s)	Concentration [%]
diphenylmethane-di-isocyanate EC-No.: 247-714-0	26447-40-5	Xn	R20 R36/37/38 R42/43	15.00 - 25.00
diphenylmethanediisocyanate, isomers and homologues (R42/43)	9016-87-9	Xn	R20 R36/37/38 R42/43	10.00 - 20.00

3. HAZARDS IDENTIFICATION

Harmful by inhalation.
Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation and skin contact.

4. FIRST AID MEASURES

Inhalation : Move to fresh air.
If symptoms persist, call a physician.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Call a physician immediately.

Skin contact : Wash off with soap and plenty of water.
If skin irritation persists, call a physician.

Ingestion : Call a physician immediately.
Immediately give plenty of water (if possible charcoal slurry).
Do not induce vomiting.

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5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂).
Dry powder.
- Extinguishing media which must not be used for safety reasons : High volume water jet.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.
- Further information : Burning produces obnoxious and toxic fumes.
Carbon oxides.
Nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Keep away from sources of ignition - No smoking.
Avoid contact with skin, eyes and clothing.
Do not breathe vapours/dust.
- Environmental precautions : Prevent product from entering drains.
Do not contaminate surface water.
Avoid subsoil penetration.
- Methods for cleaning up : Soak up with inert absorbent material and dispose of as hazardous waste.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Avoid formation of aerosol.
Ensure adequate ventilation.
Handle and open container with care.

Storage

- Further information on storage conditions : Keep away from food, drink and animal feeding stuffs.
Keep container tightly closed.
Keep at temperatures between 6 and 28°C.
- Storage hazard class : Storage class 12, Liquids, not dangerous
- Huntsman Advanced Materials

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
diphenylmethane-4,4'-di-isocyanate	101-68-8	0.02 mg/m ³ 0.07 mg/m ³		GB-MEL I GB-MEL R

Engineering measures

No special precautions required.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

Eye protection : Tightly fitting safety goggles.
Face-shield.

Hand protection : rubber or plastic gloves

Skin and body protection : Protective suit.
Safety shoes.

Protective measures : Do not breathe vapours/dust.
Keep away from sources of ignition - No smoking.
Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Colour : brown

Odour : musty

Flash point : > 100 °C
Method: estimated

Vapour pressure : < 10 Pa
at 20 °C

Density : 1.6 g/cm³
at 20 °C

Water solubility : Note: Decomposes in contact with water.

Miscibility with water : immiscible
at 20 °C

Viscosity, dynamic : 18,000 mPa.s

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at 20 °C

10. STABILITY AND REACTIVITY

- Conditions to avoid : Note: Take necessary action to avoid static electricity discharge.
- Materials to avoid : Strong acids and strong bases.
Strong oxidizing agents.
- Hazardous decomposition products : Carbon oxides.
Nitrogen oxides. Burning produces obnoxious and toxic fumes.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50 rat
Dose: > 2,000 mg/kg
- Acute inhalation toxicity : LC50 rat
Dose: 490 mg/m3
- Eye irritation : irritating
rabbit
- Skin irritation : irritating
rabbit
dermal
- Sensitization : Causes sensitization.
guinea pig
dermal

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

- Biodegradability : Result: Not readily biodegradable.

Ecotoxicity effects

Further information on ecology

- Additional ecological information : Avoid subsoil penetration.
Prevent product from entering drains.
Do not contaminate surface water.

13. DISPOSAL CONSIDERATIONS

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Product : Waste Key Number: 080402
Must be incinerated, when in compliance with local regulations.

Container : Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

14. TRANSPORT INFORMATION

Land transport

ADR:

Regulation: Not dangerous goods

RID:

Regulation: Not dangerous goods

Sea transport

IMDG:

Regulation: Not dangerous goods

Air transport

IATA-DGR:

Regulation: Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EEC Directive

Labelling required

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) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S23 Do not breathe vapour.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell,

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seek medical advice immediately (show label where possible).

Exceptional labelling of special preparations : Contains isocyanates. See information supplied by the manufacturer.

Hazardous components which must be listed on the label : diphenylmethanediisocyanate, isomers and homologues (R42/43)

National legislation

Notification status

- : EINECS yes
INVENTORY status confirmed by supplier (secret CAS-No)
- : TSCA yes
INVENTORY status confirmed by supplier (secret CAS-No)
- : DSL yes
INVENTORY status confirmed by supplier (secret CAS-No)
- : AICS yes
INVENTORY status confirmed by supplier (secret CAS-No)
- : KECI (KR) yes
INVENTORY status confirmed by supplier (secret CAS-No)
- : ENCS (JP) yes
INVENTORY status confirmed by supplier (secret CAS-No)
- : INV (CN) yes
INVENTORY status confirmed by supplier (secret CAS-No)
- : PICCS (PH) no
INVENTORY status confirmed by supplier (secret CAS-No)

16. OTHER INFORMATION

List of R-phrases (Section 2)

SAFETY DATA SHEET
according to applicable EC directive

HUNTSMAN

Enriching lives through innovation

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R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
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The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974. Users of products supplied by Huntsman Advanced Materials should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing nor construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to Huntsman Advanced Materials General Conditions of Sale.