

Safety data sheet
according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking· **1.1 Product identifier**· **Trade name:** *ARDEX PU 30*· **1.2 Relevant identified uses of the substance or mixture and uses advised against***No further relevant information available.*· **Application of the substance / the mixture** *Primer/ Subcoating*· **1.3 Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:***ARDEX UK Ltd
Homefield Road
Haverhill Suffolk CB9 8QP
United Kingdom**Telephone: +44 (0) 440 714939**Fax: +44 (0) 1440 716640**Email: info@ardex.co.uk**www.ardex.co.uk*· **Informing department:** *safetydatasheets@ardex.co.uk*· **1.4 Emergency telephone number:** *+44 (0) 870 190 6777 (24-Hour-Number)***SECTION 2: Hazards identification**· **2.1 Classification of the substance or mixture**· **Classification according to Regulation (EC) No 1272/2008***GHS08 health hazard**Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.**Carc. 2 H351 Suspected of causing cancer.**STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.**GHS07**Acute Tox. 4 H332 Harmful if inhaled.**Skin Irrit. 2 H315 Causes skin irritation.**Eye Irrit. 2 H319 Causes serious eye irritation.**Skin Sens. 1 H317 May cause an allergic skin reaction.**STOT SE 3 H335 May cause respiratory irritation.*· **2.2 Label elements**· **Labelling according to Regulation (EC) No 1272/2008***The product is classified and labelled according to the GB CLP regulation.*· **Hazard pictograms***GHS07**GHS08*

(Contd. on page 2)



Safety data sheet according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 1)

· **Signal word** *Danger*· **Hazard-determining components of labelling:**

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate
diphenylmethanediisocyanate, isomeres and homologues

· **Hazard statements**

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements**

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves / eye protection.

P284 [In case of inadequate ventilation] wear respiratory protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

· **Additional information:**

Contains isocyanates. May produce an allergic reaction.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable· **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**· **Description:** *Adhesive*· **Dangerous components:**

EC number: 905-806-4 Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p->50-≤100%
Reg.nr.: 01-2119457015-45 isocyanatobenzyl)phenyl isocyanate / methylene diphenyl
diisocyanate

⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;

⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin
Sens. 1, H317; STOT SE 3, H335

Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 %

Eye Irrit. 2; H319: C ≥ 5 %

Resp. Sens. 1; H334: C ≥ 0.1 %

STOT SE 3; H335: C ≥ 5 %

CAS: 9016-87-9

diphenylmethanediisocyanate, isomeres and homologues

>25-≤50%

⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;

⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin
Sens. 1, H317; STOT SE 3, H335, EUH204

(Contd. on page 3)

GB



Safety data sheet according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 2)

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation** Supply fresh air; consult doctor in case of complaints.

· **After skin contact** Clean with water and soap. If possible, also wash with polyethylene glycol 400.

· **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing** Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents** Water with full jet

· **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

Use respiratory protective device against the effects of fumes/dust/aerosol.

· **6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Do not allow product to reach sewage system or any water course.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

(Contd. on page 4)



Safety data sheet according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 3)

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**· 7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.**· Information about protection against explosions and fires:** No special measures required.**· 7.2 Conditions for safe storage, including any incompatibilities****· Storage****· Requirements to be met by storerooms and containers:** Store only in the original receptacle.**· Information about storage in one common storage facility:** Not required**· Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection****· 8.1 Control parameters****· Components with critical values that require monitoring at the workplace:****9016-87-9 diphenylmethanediisocyanate, isomeres and homologues**WEL Short-term value: 0.07 mg/m³Long-term value: 0.02 mg/m³

Sen; as -NCO

· DNELs**Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate**

Oral DNEL 20 mg/kg/day (consumers (Short-term))

Dermal DNEL 25 mg/kg/day (consumers (Short-term))

50 mg/kg/day (workers (Short-term))

DNEL 17.2 mg/cm² (consumers (Short-term))28.7 mg/cm² (workers (Short-term))Inhalative DNEL 0.05 mg/m³ (consumers (Short-term))0.025 mg/m³ (consumers (Long-term))0.1 mg/m³ (workers (Short-term))0.05 mg/m³ (workers (Long-term))**9016-87-9 diphenylmethanediisocyanate, isomeres and homologues**

Dermal DNEL 27.8 mg/kg/day (workers (Short-term))

DNEL 17.2 mg/cm² (general population (short-term))Inhalative DNEL 0.05 mg/m³ (general population (short-term))

(Contd. on page 5)

GB

Safety data sheet according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 4)

0.025 mg/m³ (general population (long-term))

0.1 mg/m³ (workers (Short-term))

0.05 mg/m³ (workers (Long-term))

· PNECs

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate

PNEC 1 mg/l (Freshwater)

0.1 mg/l (Sea water)

1 mg/l (Purification plant)

PNEC 1 mg/kg (Soil)

9016-87-9 diphenylmethanediisocyanate, isomers and homologues

PNEC 1 mg/l (Freshwater)

0.1 mg/l (Sea water)

10 mg/l (Water - partially release)

1 mg/l (Purification plant)

PNEC 1 mg/kg (Soil)

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Breathing equipment:** If the occupational exposure limit is exceeded.

· **Recommended filter device for short term use:** Combination filter A-P2

· **Hand protection**


Protective gloves

Preventive skin protection by use of skin-protecting agents is recommended.

· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.35 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 6)

Safety data sheet according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 5)

· Eye/face protection



Tightly sealed goggles

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Liquid
· Colour:	Brown
· Smell:	Characteristic
· Odour threshold:	Not determined
· Melting point/freezing point:	10 °C
· Boiling point or initial boiling point and boiling range	351 °C
· Flammability	Not applicable
· Lower and upper explosion limit	
· Lower:	Not determined
· Upper:	Not determined
· Flash point:	210 °C
· Auto-ignition temperature:	520 °C
· Decomposition temperature:	Not determined
· pH	Mixture reacts violently with water.
· Viscosity:	
· Kinematic viscosity	Not determined
· kinematic (calculated) at 40°C:	
· dynamic at 20 °C:	300 mPas (ISO 2555)
· Solubility	
· Water:	Hydrolised.
· Partition coefficient n-octanol/water (log value)	Not determined
· Steam pressure:	Not determined
· Density and/or relative density	
· Density	Not determined
· Relative density	Not determined
· Vapour density	Not determined

· 9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Organic solvents:	0.0 %
· VOC	0.0 %

(Contd. on page 7)



Safety data sheet according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 6)

- **Change in condition**
- **Evaporation rate** Not determined
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with alcohols, amines, aqueous acids and alkalis.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

- **Acute toxicity**

Harmful if inhaled.

- **LD/LC50 values that are relevant for classification:**

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate

Oral LD50 >10,000 mg/kg (Rat)

Dermal LD50 >9,400 mg/kg (rabbit)

Inhalative LC50 0.49 mg/l (Rat)

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

Oral LD50 >10,000 mg/kg (Rat) (OECD RL 401)

Dermal LD50 >9,400 mg/kg (rabbit) (OECD RL 402)

(Contd. on page 8)



Safety data sheet according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 7)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity**
Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause respiratory irritation.
- **STOT-repeated exposure**
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**
None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate
EC50/24h > 1,000 mg/l (Daphnia magna)
9016-87-9 diphenylmethanediisocyanate, isomers and homologues
LC50/96h > 1,000 mg/l (Danio rerio)
LC0/96h > 1,000 mg/l (Brachydanio rerio)
EC50/24h > 100 mg/l (bacteriums)
EC50/48h > 1,000 mg/l (Daphnia magna)
EC50/3h > 100 mg/l (sludge) (OECD 209)
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

(Contd. on page 9)



Safety data sheet
according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 8)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations**· 13.1 Waste treatment methods****· Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.

· Uncleaned packagings:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information**· 14.1 UN number or ID number****· ADR, ADN, IMDG, IATA**

Void

· 14.2 UN proper shipping name**· ADR, ADN, IMDG, IATA**

Void

· 14.3 Transport hazard class(es)**· ADR, ADN, IMDG, IATA****· Class**

Void

· 14.4 Packing group**· ADR, IMDG, IATA**

Void

· 14.5 Environmental hazards:**· Marine pollutant:**

No

· 14.6 Special precautions for user

Not applicable

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable

· Transport/Additional information:

Not dangerous according to the above specifications.

· UN "Model Regulation":

Void

SECTION 15: Regulatory information**· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****· Poisons Act****· Regulated explosives precursors**

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

(Contd. on page 10)



Safety data sheet according to UK REACH

Printing date 17.12.2025

Version number 12 (replaces version 11)

Revision: 17.12.2025

Trade name: ARDEX PU 30

(Contd. of page 9)

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **GEV-Guideline/EMICODE:** EC 1 plus R, "very low emission"
- **Substances of very high concern (SVHC) according to REACH, Article 57**
None of the ingredients is listed.
- **VOC (EU)** 0.1 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
EUH204 Contains isocyanates. May produce an allergic reaction.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2