

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier

Product name: ACE PU-100 A
UFI Code: A800-E0CV-M00U-TN23
Product description: Isocyanate Polymer

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Professional use only.
Component of a polyurea system for coating concrete floors.

1.3 Details of the supplier of the safety data sheet

Company: ACE COATINGS
Address: Campo Sagrado, 11, 33205 Gijón
Province: Asturias
Telephone: +34 985 323 328
Website: www.acecoatings.com
E-mail: info@acecoatings.com

1.4 Emergency telephone number

+34 985 32 33 28 (Only available during office hours)
+34 91 562 04 20 Toxicological Information Service
Emergency phone number in Chile (Chemical and/or Toxicological): Corporation RITA-Chile: 2 2777 1994

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture

According to Regulation (EU) No 1272/2008 (CLP):

Carc. 2: Suspected of causing cancer.

Eye Irrit. 2: Causes serious eye irritation.

Resp. Sens. 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT RE 2: May cause damage to organs through prolonged or repeated exposure.

STOT SE 3: May cause respiratory irritation.

Skin Irrit. 2: Causes skin irritation.

Skin Sens. 1: May cause an allergic skin reaction.

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

2.2 Label elements.

Labeling according to Regulation (EU) No 1272/2008 (CLP):

Pictograms:



Signal word:

Danger

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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.

Precautionary statements:

P201 Obtain special instructions before use.

P260 Do not breathe dust/fume/gas/mist/vapours/aerosol.

P280 Wear protective gloves/protective clothing/eye/face/ear protection.

P284 Wear respiratory protection if ventilation is insufficient.

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

P321 Specific treatment (see label).

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

Supplemental hazard statements:

EUH204 Contains isocyanates. May produce an allergic reaction.

As from 24 August 2023 adequate training is required before industrial or professional use.

Contains:

4,4'-Methylenediphenyl diisocyanate (MDI) and oligomers

Other hazards.

The mixture does not contain substances classified as PBT (Persistent, Bioaccumulative and Toxic).

The mixture does not contain substances classified as vPvB (very Persistent and very Bioaccumulative).

The mixture does not contain any endocrine disrupting properties substances.

Reacts with water and octanol.

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)

ace

+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances.

Not applicable

3.2 Mixtures.

Substances that present a hazard to health or the environment in accordance with Regulation (EC) No. 1272/2008, have an assigned Community workplace exposure limit, are classified as PBT/vPvB, or are included in the Candidate List:

Identifiers	Name	Concentration	(*) Classification - Regulation 1272/2008	
			Classification	Specific concentration limits and Acute Toxicity Estimate (ATE)
N. Indice: 615-005-00-9 N. CAS: 101-68-8 N. CE: 202-966-0	[2] 4,4'-methylenediphenyl diisocyanate, 4,4'-diisocyanatodiphenylmethane	10 - 50 %	Acute Tox. 4, H332 Carc. 2, H351 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317	Eye Irrit. 2, H319: C ≥ 5 % Skin Irrit. 2, H315: C ≥ 5 % Resp. Sens. 1, H334: C ≥ 0,1 % STOT SE 3, H335: C ≥ 5 %
N. CAS: 25686-28-6 N. CE: 500-040-3	4,4'-methylenediphenyldiisocyanate, oligomers	10 - 25 %	Acute Tox. 4, H332 Carc. 2, H351 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317	Resp. Sens. 1, H334: C ≥ 0,1% Eye Irrit. 2, H319: C ≥ 0,5% STOT SE 3, H335: C ≥ 0,5% Skin Irrit. 2, H315: C ≥ 0,5%
N. Indice: 607-012-00-0 N. CAS: 98-88-4 N. CE: 202-710-8	[2] benzoyl chloride	0 - 1 %	-	-

(*) The full text of the H-statements is detailed in Section 16 of this Safety Data Sheet.

[2] Substance with a national occupational exposure limit (see Section 8.1).

SECTION 4: FIRST AID MEASURES.

IRRITANT MIXTURE. Repeated or prolonged contact with skin or mucous membranes may cause irritant symptoms such as redness, blistering or dermatitis. Some symptoms may not be immediate. Allergic skin reactions may occur.

4.1 Description of first aid measures.

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Move the affected person into fresh air, keep them warm and at rest. If breathing is irregular or stops, administer artificial respiration. Do not give anything by mouth. If unconscious, place in a suitable position and seek medical help.

Eye contact

Remove contact lenses if present and easy to do. Rinse eyes thoroughly with clean, fresh water for at least 10 minutes,

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

lifting the upper and lower eyelids, and seek medical attention. Do not allow the person to rub the affected eye.

Skin contact

Remove contaminated clothing. Wash skin thoroughly with water and soap or a suitable skin cleanser. NEVER use solvents or thinners.

Ingestion

If accidentally swallowed, seek medical attention immediately. Keep the person at rest.

NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

Irritant product. Repeated or prolonged contact with skin or mucous membranes may cause redness, blistering or dermatitis. Inhalation of spray mist or airborne particles may cause irritation of the respiratory tract; some symptoms may not be immediate.

Long-term chronic exposure may cause damage to certain organs or tissues.

May cause an allergic reaction, dermatitis, redness or inflammation of the skin.

May cause an allergic reaction of the respiratory system. Chronic exposure may cause asthma.

4.3 Indication of any immediate medical attention and special treatment needed.

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything by mouth to an unconscious person. Keep the person comfortable. Turn them onto their left side and keep them in that position while awaiting medical help.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media.

Suitable extinguishing media:

Dry chemical powder or CO₂. In the case of larger fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct water jet. In the presence of live electrical equipment, water or foam are not acceptable as extinguishing agents.

5.2 Special hazards arising from the mixture.

Exposure to combustion or decomposition products can be hazardous to health.

5.3 Advice for firefighters.

Cool tanks, tankers or containers near the source of heat or fire with water. Take wind direction into account. Prevent firefighting water from entering drains, sewers or watercourses.

Special protective equipment for firefighters:

Depending on the size of the fire, it may be necessary to use heat-resistant protective suits, self-contained breathing apparatus, gloves, protective goggles or face shields and boots.

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

For exposure control and personal protective measures, see Section 8.

6.2 Environmental precautions

Product not classified as dangerous for the environment, but any spillage should be avoided as far as possible.

6.3 Methods and material for containment and cleaning up

Contain and collect the spillage with inert absorbent material (earth, sand, vermiculite, diatomaceous earth, etc.) and clean the affected area immediately with a suitable decontaminant.

Place the waste in closed, suitable containers for disposal in accordance with local and national regulations (see Section 13).

6.4 Reference to other sections

For exposure controls and personal protective equipment, see Section 8.

For waste disposal recommendations, see Section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

Smoking, eating and drinking must be prohibited in the application area.

Comply with occupational health and safety regulations. Never use pressure to empty containers; they are not pressure-resistant vessels. Keep the product in containers made of the same material as the original packaging.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 °C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end uses.

Not available

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
4,4'-methylenediphenyl diisocyanate, 4,4'-diisocyanatodiphenylmethane	101-68-8	Spain[1]	Eight hours	0,005 (Sensitizing)	0,052 (Sensitizing)
			Short term		
benzoyl chloride	98-88-4	Spain[1]	Eight hours		
			Short term	0,5 (Sensitizing)	2.9 (Sensitizing)

[1]According to the list of Environmental Limit Values for Occupational Exposure adopted by the National Institute for Safety and Health at Work (INSST) for the year 2023

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
4,4'-methylenediphenyl diisocyanate, 4,4'-diisocyanatodiphenylmethane CAS. N.: 101-68-8 CE N.: 202-966-0	DNEL (Workers)	Inhalation, Chronic, Local effects	0,05 (mg/m ³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	0,05 (mg/m ³)
4,4'-methylenediphenyldiisocyanate, oligomers CAS. N.: 25686-28-6 CE N.: 500-040-3	DNEL (Workers)	Inhalation, Chronic, Local effects	0,05 (mg/m ³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	0,05 (mg/m ³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.



Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

Breathing protection:			
PPE:	Filter mask for protection against gases and particles.		
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.		
CEN standards:	EN 136, EN 140, EN 405		
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor. Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach		
Observations:	the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.		
Filter Type needed:	A2		
Hand protection:			
PPE:	Protective gloves against chemicals. Characteristics:		
	«CE» marking, category III.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible.		
Observations:	Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
Eye protection:			
PPE:	Protective goggles with built-in frame.		
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.		
Skin protection:			
PPE:	protective clothing		
Characteristics:	«CE» marking, category II..		
CEN standards:	EN 340		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer. The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.		
Observations:			
PPE:	safety footwear		
Characteristics:	«CE» marking, category II.		
CEN standards:	EN ISO 13287, EN ISO20347		
Maintenance:	For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.		
Observations:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.		

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS.

9.1 Information on basic physical and chemical properties.

- Physical state:	Liquid
- Colour:	Yellowish
- Odour:	NA/ND
- Odour threshold:	NA/ND
- Melting point:	NA/ND
- Freezing point:	NA/ND
- Initial boiling point and boiling range:	≥ 434 °C
- Flammability:	NA/ND
- Lower explosion limit:	NA/ND
- Upper explosion limit:	NA/ND
- Flash point:	≥ 129 °C
- Auto-ignition temperature:	NA/ND
- Decomposition temperature:	NA/ND
- pH:	NA (The substance/mixture reacts with water).
- Kinematic viscosity:	NA/ND
- Solubility:	NA/ND
- Water solubility:	NA/ND
- Fat solubility:	NA/ND
- Partition coefficient n-octanol/water (log value):	NA/ND
- Vapour pressure:	0 (Estimate based on Regulation (EC) No. 1272/2008)
- Absolute density:	NA/ND
- Relative density:	1.129
- Vapour density:	NA/ND
- Particle characteristics:	NA/ND

(*) NA/ND Not applicable/Not available due to the nature/properties of the product.

9.2 Other information

Not applicable/Not available due to the nature/properties of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present the possibility of hazardous reactions. of bursting.

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXTURE. Splashes in the eyes may cause irritation.

IRRITANT MIXTURE. Inhalation of spray mist or airborne particles may cause irritation of the respiratory tract. It may also cause severe respiratory distress, alteration of the central nervous system and, in extreme cases, loss of consciousness.

IRRITANT MIXTURE. Repeated or prolonged contact with skin or mucous membranes may cause irritant symptoms such as redness, blistering or dermatitis. Some symptoms may not be immediate. Allergic skin reactions may occur.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

There are no tested data available on the product.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Exposure to concentrations of solvent fumes above the work exposure limit can have negative effects (for example, irritation of the mucous membranes and respiratory system, adverse effects on the kidneys, liver, and the central nervous system). Among the symptoms are headaches, vertigo, fatigue, muscular weakness, drowsiness, and in extreme cases, unconsciousness.

Based on the properties of isocyanates and taking into account existing technical data on similar products, it appears that this product may cause irritation and / or acute awareness of the respiratory system, leading to an asthmatic condition, a wheezing and chest pressure. Therefore, sensitized individuals may show asthmatic symptoms when exposed to atmospheres containing concentrations below the level of exposure. Repeated exposure can lead to chronic respiratory diseases.

a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation; Product classified:

Skin Irrit. 2: Causes skin irritation.

c) serious eye damage/irritation; Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation; Product classified:

Resp. Sens. 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitizer, Category 1: May cause an allergic skin reaction.

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

- e) germ cell mutagenicity;
Not conclusive data for classification.
- f) carcinogenicity; Product classified:
Carc. 2: Suspected of causing cancer.
- g) reproductive toxicity;
Not conclusive data for classification.
- h) STOT-single exposure; Product classified:
STOT SE 3: May cause respiratory irritation.
- i) STOT-repeated exposure; Product classified:
STOT RE 2: May cause damage to organs through prolonged or repeated exposure.
- j) aspiration hazard;
Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

No information is available regarding the ecotoxicity of the substances present.

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available regarding the PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product does not contain components with endocrine disrupting properties for the environment.

12.7 Other adverse effects.

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer. No information on other adverse effects on the environment is available.

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number or ID number

Transportation is not dangerous.

14.2 UN proper shipping name.

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Volatile organic compound (VOC)

VOC content (p/p): 0,004 %

VOC content: 0,045 g/l

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products. The product is not subject to the procedure established in Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals.

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A



15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
74. Diisocyanates, $O = C = N - R - N = C = O$, where R is an aliphatic or aromatic hydrocarbon structure of unspecified length	1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless: (a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s). 2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless: (a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: 'As from 24 August 2023 adequate training is required before industrial or professional use'. 3. For the purpose of this entry 'industrial and professional user(s)' means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks. 4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum: (a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s). (b) the training elements in points (a) and (b) of paragraph 5 for the following uses: - handling open mixtures at ambient temperature (including foam tunnels); - spraying in a ventilated booth;

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

- application by roller;
 - application by brush;
 - application by dipping and pouring;
 - mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore;
 - cleaning and waste;
 - any other uses with similar exposure through the dermal and/or inhalation route;
- (c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:
- handling incompletely cured articles (e.g. freshly cured, still warm);
 - foundry applications;
 - maintenance and repair that needs access to equipment;
 - open handling of warm or hot formulations (> 45 °C);
 - spraying in open air, with limited or only natural ventilation (includes large industry working halls) and spraying with high energy (e.g. foams, elastomers);
 - and any other uses with similar exposure through the dermal and/or inhalation route.
5. Training elements:
- (a) general training, including on-line training, on:
- chemistry of diisocyanates;
 - toxicity hazards (including acute toxicity);
 - exposure to diisocyanates;
 - occupational exposure limit values;
 - how sensitisation can develop;
 - odour as indication of hazard;
 - importance of volatility for risk;
 - viscosity, temperature, and molecular weight of diisocyanates;
 - personal hygiene;
 - personal protective equipment needed, including practical instructions for its correct use and its limitations;
 - risk of dermal contact and inhalation exposure;
 - risk in relation to application process used;

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

- skin and inhalation protection scheme;
- ventilation;
- cleaning, leakages, maintenance;
- discarding empty packaging;
- protection of bystanders;
- identification of critical handling stages;
- specific national code systems (if applicable);
- behaviour-based safety;
- certification or documented proof that training has been successfully completed
- (b) intermediate level training, including on-line training, on:
 - additional behaviour-based aspects;
 - maintenance;
 - management of change;
 - evaluation of existing safety instructions;
 - risk in relation to application process used;
 - certification or documented proof that training has been successfully completed
- (c) advanced training, including on-line training, on:
 - any additional certification needed for the specific uses covered;
 - spraying outside a spraying booth;
 - open handling of hot or warm formulations (> 45 °C);
 - certification or documented proof that training has been successfully completed
- 6. The training shall comply with the provisions set by the Member State in which the industrial or professional user(s) operate. Member States may implement or continue to apply their own national requirements for the use of the substance(s) or mixture(s), as long as the minimum requirements set out in paragraphs 4 and 5 are met.
- 7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into consideration the specificity of the products supplied, including composition, packaging, and design.
- 8. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be



Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

	renewed at least every five years. 9. Member States shall include in their reports pursuant to Article 117(1) the following information: (a) any established training requirements and other risk management measures related to the industrial and professional uses of diisocyanates foreseen in national law; (b) the number of cases of reported and recognised occupational asthma and occupational respiratory and dermal diseases in relation to diisocyanates; (c) national exposure limits for diisocyanates, if there are any; (d) information about enforcement activities related to this restriction. 10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace.
--	---

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

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..

Classification codes:

Acute Tox. 4: Acute toxicity, Category 4 (dermal)

Acute Tox. 4: Acute toxicity, Category 4 (inhalation)

Acute Tox. 4: Acute toxicity, Category 4 (oral)

Carc. 2: Carcinogen, Category 2

Eye Irrit. 2: Eye irritation, Category 2

Resp. Sens. 1: Respiratory sensitiser, Category 1

STOT RE 2: Specific target organ toxicity – repeated exposure, Category 2

STOT SE 3: Specific target organ toxicity – single exposure, Category 3

Skin Corr. 1B: Skin corrosion, Category 1B

Skin Irrit. 2: Skin irritation, Category 2

Skin Sens. 1: Skin sensitisation, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards

On basis of test data

Health hazards

Calculation method

Environmental hazards

Calculation method

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

Training advice:

Basic training in occupational risk prevention is recommended for personnel handling this product, in order to facilitate the understanding and interpretation of this Safety Data Sheet, as well as product labelling.

Changes from the previous version:

- Removal of precautionary statements/hazard statements/pictograms/signal word (SECTION 2.2).
- Modification of specific hazards (SECTION 2.3).
- Changes in product composition (SECTION 3.2).
- Changes in product composition (SECTION 3.2).
- Changes in product composition (SECTION 3.2).
- Removal of exposure data (SECTION 8.1).
- Addition of exposure data (SECTION 8.1).
- Addition of personal protective equipment (SECTION 8.2).
- Modification of physicochemical property values (SECTION 9).
- Modification of information on stability and reactivity conditions (SECTION 10.2).
- Modification of information on stability and reactivity conditions (SECTION 10.3).
- Modification of information on stability and reactivity conditions (SECTION 10.4).
- Modification of information on stability and reactivity conditions (SECTION 10.5).
- Modification of information on stability and reactivity conditions (SECTION 10.6).
- National legislative changes (SECTION 15.1).

Abbreviations and acronyms used:

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG International Maritime Code for Dangerous Goods.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

PPE (EPI): Personal protective equipment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351

Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

ACE PU-100 A

NOTA:

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.

Corporate Management:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 229 381 351