

ACE PRIMERFLEX PLUS B

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

1.1 Product identifier.

Product Name: PRIMERFLEX PLUS B

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

Product use : To produce polyurethanes for coatings, elastomers, sealants, resins, castings, adhesives and plastics.

1.3 Details of the supplier of the safety data sheet.

Company: ACE COATINGS
Address: Campo Sagrado, 1133205
City: Gijón
Province: Asturias
Telephone: +34 985 323 328
E-mail: info@acecoatings.com
Web: www.acecoatings.com

1.4 Emergency telephone number: (Available 24 hours) Telephone number : EUROPE: +34 985 32 33 28

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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2.2 Label elements

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable. STOT RE 2, H373

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterization

Mixtures

Description: Polyol component based on castor oil

Dangerous components: Void

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

General information: No special measures required.

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

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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SECTION 5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.

5.2 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

No dangerous substances are released.

SECTION 7 HANDLING AND STORAGE

7.1 Handling:

Precautions for safe handling: No special measures required.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Suitable material for receptacles and pipes: Stainless steel.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Protect from frost.

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Protect from exposure to the light.
Protect from humidity and water.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Additional information about design of technical facilities
No further data; see item 7.

8.2 Control parameters

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists valid during the making were used as basis.

8.3 Exposure controls

Personal protective equipment

General protective and hygienic measures:

- The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not required.
- Protection of hands: Protective gloves and protective skin cream

Material of gloves

-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.

Natural rubber, NR

Nitrile rubber, NBR

-Eye protection: Goggles recommended during refilling

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information

Appearance:

- Form: Fluid
- Colour: Yellowish
- Odour: Weak, characteristic
- Change in condition

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- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: 351°C
- Flash point: 255°C
- Ignition temperature: 450°C
- Self-igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Density: Not determined.
- Solubility in / Miscibility with water: Not miscible or difficult to mix.
- Viscosity: Dynamic at 25°C: ~ 600 mPas (DIN 53015)

9.2 Other information

No further relevant information available.

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.2 Possibility of hazardous reactions

No dangerous reactions known.

10.3 Conditions to avoid

No further relevant information available.

10.4 Incompatible materials

No further relevant information available.

10.5 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Primary irritant effect:

On the skin: No irritant effect.

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On the eye: No irritating effect.
Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Behaviour in environmental systems

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

12.4 Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

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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.

13.2 Uncleaned packaging:

Recommendation

Disposal must be made according to official regulations.

SECTION 14 TRANSPORT INFORMATION

14.1 UN-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 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

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SECTION 15 REGULATORY INFORMATION

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

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

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.

16.1 Department issuing MSDS

Regulatory Affairs

* Data compared to the previous version altered.