

ECOPRIMER

Material Safety Data Sheet

1. Identification of the substance or mixture and of the company/firm

1.1. Product Identifier

Name: ECOPRIMER

1.2. Relevant identified uses of the substance or mixture and uses not recommended

Description/Use: high performance single-component painting

1.3. Details of the safety data sheet provider

| | |
|----------------------|----------------------------------|
| Company name | PLUVITEC S.P.A. |
| Address | Via Quadrelli, 69 |
| Location and country | 37055 Ronco all'Adige VR - Italy |
| | Tel. +39 045.6608111 |
| | Fax +39 045.6608177 |

Email of person in charge
of the Safety

Data Sheet info@pluvitec.com

1.4. Emergency telephone number

For urgent inquiries refer to +39 045.6608111 - Pluvitec Spa (8:30 – 18:00)

2. Identification of hazards

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments).

2.2. Label elements

| | |
|--------------------|---|
| Pictograms | - |
| Warnings | - |
| Hazard indications | - |
| Safety advice | - |

2.3. Other hazards

Based on the available data, the product does not contain PBT or vPvB substances in excess of 0.1%.

3. Composition/information on ingredients

3.1. Substances

Not relevant information.

3.2. Mixtures

The product does not contain substances classified as hazardous to health or the environment under the existing provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations) in such quantities as to require the declaration.

4. First aid measures

4.1. Description of first aid measures

Eyes: immediately wash with plenty of water.

Skin: wash thoroughly with soap and water.

Ingestion: do not induce vomiting unless specifically authorized by your doctor.

4.2. Main symptoms and effects, both acute and delayed

There are no known episodes of damage to health attributable to the product.

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

No information available.

5. Fire-fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

The suitable extinguishing media are the traditional forms: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA

None in particular.

5.2. Special hazards arising from the substance or the mixture

HAZARDS CAUSED BY EXPOSURE IN CASE OF FIRE

Avoid inhaling combustion products.

5.3. Recommendations for firefighters

GENERAL INFORMATION

Cool containers with water jets to avoid decomposition of the product and the production of substances that pose a potential health risk. Always wear full fire protection equipment. Collect extinguishing water to prevent it from draining into the sewers. Dispose of contaminated water used for extinguishing and the remains of the fire in compliance with the applicable regulations.

EQUIPMENT

Normal fire fighting clothing such as an open-air compressor (EN 137), full flame retardant (EN469), flame retardant gloves (EN 659) and boots for firefighters (HO A29 or A30).

6. Measures in case of accidental emission

6.1. Personal precautions, protective devices and emergency procedures

If fumes or powders are released into the air, adopt respiratory protection. These indications are valid for both workmen and emergency workers.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water, ground water.

6.3. Methods and material for containment and cleaning up

Confine using earth or inert material. Remove most of the material and eliminate the remainder using jets of water. The disposal of contaminated material must be carried out in compliance with the provisions of point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersing the product in the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in containers clearly labeled. Store containers away from any incompatible materials, see section 10.

Storage class TRGS 510 (Germany): 10

7.3. Specific end uses

No information available.

8. Exposure/personal protection control

8.1. Control parameters

No information available.

8.2. Exposure controls

Observe the usual precautionary measures for handling chemicals.

RESPIRATORY PROTECTION

Not necessary, unless otherwise indicated in the chemical risk assessment.

EYE PROTECTION

Not required.

HAND PROTECTION

Not required.

SKIN PROTECTION

Not required.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be checked for compliance with environmental protection regulations.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------------------------------|----------------------|
| Appearance | fluid |
| Colour | brown |
| Odour | odourless |
| Odour threshold | NA (not available). |
| pH | 9-11 |
| Freezing point | NA (not available). |
| Boiling point | > 100°C |
| Distillation range | NA (not available). |
| Flash point | > 60°C |
| Evaporation rate | NA (not available). |
| Flammability of solids and gases | NA (not available). |
| Lower flammability limit | NA (not applicable). |
| Upper limit flammability | NA (not applicable). |
| Lower explosive limit | NA (not applicable). |
| Upper explosive limit | NA (not applicable). |
| Vapour pressure | NA (not available). |
| Vapour density | NA (not available). |
| Relative density | NA (not available). |
| Solubility | dispersible |
| Partition coefficient: n-octanol/water | NA (not available). |
| Auto-ignition temperature | NA (not available). |
| Decomposition temperature | NA (not available). |
| Viscosity | NA (not available). |
| Explosive properties | NA (not available). |
| Oxidising properties | NA (not available). |

9.2. Other Information

No information available.

10. Stability and reactivity

10.1. Reactivity

There is no particular risk of reaction with other substances under normal conditions of use.

10.2. Chemical stability

The product is stable under normal use and storage conditions

10.3. Possibility of hazardous reactions

In normal conditions of use and storage no dangerous reactions are predictable.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions against chemicals.

10.5. Incompatible materials

Avoid contact with chlorides.

10.6. Hazardous decomposition products

No information available.

11. Toxicological information

There are no known episodes of damage to health due to exposure to the product. In any case, it must be handled in accordance with the rules of good industrial hygiene.

11.1. Information on toxicological effects

No information available.

12. Ecological information

Use in accordance with normal working best practices, avoiding dispersion of the product in the environment. Alert the relevant authorities if the product has reached water resources or sewers, or if it has contaminated the soil or vegetation.

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bio-accumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. PBT and vPvB assessment results

Based on the available data, the product does not contain PBT or vPvB substances in excess of 0.1%.

12.6. Other adverse effects

No information available.

13. Disposal considerations

13.1. Waste treatment methods

Reuse, if possible. Product residues are to be considered special non-hazardous waste.

Disposal must be carried out by an authorised waste management company, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with the national waste management regulations.

14. Transport information

14.1. ONU number

Not applicable.

14.2. ONU shipping norm

Not applicable.

14.3. Transport-related hazard classes

Not applicable.

14.4. Packing group

Not applicable.

14.5. Dangers to the environment

Not applicable.

14.6. Special precautions for users

Not applicable.

14.7. Bulk transport according to Annex II of MARPOL 73/78 and IBC Code

Not relevant information.

15. Regulatory information

15.1. Specific safety, health and environmental regulations and legislation for the substance or mixture.

| | |
|-------------------------------------------------------------------------------------------------------------------|---------------------------|
| Seveso Category. | None. |
| Restrictions relating to the product or contained substances pursuant to Annex XVII of Regulation (EC) 1907/2006. | None. |
| Substances in Candidate List (ART. 59 of REACH). | None. |
| Substances subject to authorisation (Annex XIV of REACH). | None. |
| Substances subject to export notification requirement Reg. (EC) 649/2012: | None. |
| Substances subject to the Rotterdam Convention: | None. |
| Substances subject to the Stockholm Convention: | None. |
| Health inspections. | No information available. |

VOC (Directive 2004/42 / EC):
 High performance single-component paints.
 Maximum limit: 140 g/l (2010)
 Product VOC: 10 g/l

Water Pollution Classification in Germany (VwVwS 2005).
 WGK 1: Not very dangerous for water.

15.2. Chemical safety assessment

No chemical safety assessment has been developed for the mixture and the substances it contains.

16. Other Information

LEGEND:

- ADR: European Agreement on the Transport of Dangerous Goods by Road
- CAS NUMBER: Number of the Chemical Abstract Service
- CE50: Concentration that affects 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European Inventory of Existing Substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derivative level without effect
- EmS: Emergency Schedule
- GHS: Global Harmonized System for Classification and Labelling of Chemicals
- IATA DGR: Regulation for the Carriage of Dangerous Goods by the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population under test
- IMDG: International Maritime Dangerous Goods Code
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: lethal concentration 50%
- LD50: Fatal dose 50%
- OEL: occupational exposure level
- PBT: Persistent, bio accumulative and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictive level of exposure
- PNEC: Predictable Concentration Without Effects
- REACH: Regulation EC 1907/2006
- RID: Regulation for the international carriage of dangerous goods by train
- TLV: Limit value of threshold
- TLV CEILING: Concentration that must not be exceeded at any time of the working exposure.
- TWA STEL: Short-term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)
2. European Parliament (EU) Regulation 1272/2008 (CLP)
3. European Parliament (EU) Regulation 790/2009 (I CLP)
4. Regulation (EU) 453/2010 of the European Parliament
5. European Parliament (EU) Regulation 286/2011 (II CLP)
6. European Parliament (EU) Regulation 618/2012 (III CLP)
7. European Parliament (EU) Regulation 487/2013 (IV CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V ATP CLP)

9. European Parliament (EU) 605/2014 Regulation (VI CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous Properties of Industrial Materials-7, 1989 Edition
 - Website ECHA Agency

Note for users:

The information contained in this data sheet is based on the current level of knowledge available from us on the date of the most recent version.

Users must check the suitability and completeness of the information in relation to the specific use of the product. This document should not be considered as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the users' responsibility to observe hygiene and safety laws and regulations in force.

We shall not be held liable for improper use.

Provide adequate training to personnel involved in the use of chemicals.