

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Trade name:** PENEBAR® PRIMER

**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:**

Water-based adhesive/surface primer, for PENEBAR™ water expanding strips

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

PENETRON HELLAS S.A. G.E.MH. No: 07278001000

50, THRAKOMAKEDONON AV., 136 79 ACHARNES, GREECE

TEL.: +30 210 2448250 - FAX: + 30 210 2476803

Email: info@penetron.gr Site: www.penetron.gr

**1.4 Emergency telephone number:**



European Emergency Tel.: 112

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation EC No 1272/2008 CLP:**

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

**2.2 Label elements**

**Labelling according to Regulation EC No 1272/2008 CLP:** Void

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void

**Precautionary statements**

P102 Keep out of reach of children.

**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:** Mixture: consisting of the following components.

**Ingredients according Regulation (EU) 2020/878:**

CAS: 111-77-3	2-(2-methoxyethoxy)ethanol	Repr. 2, H361d	≥0.9-<1%
EINECS: 203-906-6			
Index number: 603-107-00-6			

(Contd. on page 2)

GB

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**Trade name:** PENEBAR® PRIMER

(Contd. of page 1)

**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:**

Take affected persons out into the fresh air.

In all cases call a doctor

**After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Seek medical treatment in case of complaints.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

In case of skin irritation, consult a physician.

**After eye contact:**

Rinse opened eye for at least 15 minutes under running water.

Remove contact lenses and continue rinsing for several minutes

If symptoms persist, consult a doctor.

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

**After swallowing:**

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

**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:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.**5.2 Special hazards arising from the substance or mixture**

The material will not support combustion, unless the water has evaporated.

**5.3 Advice for firefighters****Protective equipment:**

During fire-fighting wear suitable respiratory device (SCBA) with a full face-piece operated in positive pressure mode.

Cool closed containers exposed to fire by spraying water.

**Additional information**

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:**

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

Avoid inhalation of vapors.

Ensure adequate ventilation.

**6.1.1 For non-emergency personnel** Avoid contact with dripping or leaking material**6.1.2 For emergency responders**

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

(Contd. on page 3)

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**Trade name:** PENEBAR® PRIMER

(Contd. of page 2)

**6.2 Environmental precautions:**

Prevent seepage into sewage system, workpits and cellars.

Dilute with plenty of water.

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

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

Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

If necessary dike the product with earth, sand or similar non-combustible materials.

**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 adequate ventilation

Avoid contact with the eyes and skin

Avoid inhaling vapors.

Do not eat, drink or smoke during the usage of the product.

Wash hands before each break and after finishing work.

**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store containers closed when not in use.**Requirements to be met by storerooms and receptacles:**

The suggested storage conditions are between 50° to 90° F (10° to 32° C). The expected shelf life is 12 months, but after prolonged storage the resin may settle slightly and require agitation to redisperse.

Store in a cool location.

**Information about storage in one common storage facility:**

Do not store with acids

Store away from strong oxidizing agents.

Store away from strong bases

**Further information about storage conditions:** Keep away from children**7.3 Specific end use(s)** No further relevant information available.

\*

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 111-77-3 2-(2-methoxyethoxy)ethanol**

WEL (Great Britain)	Long-term value: 50.1 mg/m <sup>3</sup> , 10 ppm
	Sk

IOELV (EU)	Long-term value: 50.1 mg/m <sup>3</sup> , 10 ppm
	Skin

**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****8.2.1. Appropriate engineering controls** Provide adequate ventilation.

(Contd. on page 4)

GB

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**Trade name:** PENEBAR® PRIMER

(Contd. of page 3)

**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.

Avoid contact with skin and eyes.

Do not eat, drink or smoke while using the product.

Do not breathe vapours or mists.

Wash hands before breaks and at the end of work.

Keep the right conditions of industrial hygiene.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Hand protection**

Protective gloves resistant to chemicals (standard EN 374-1)

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**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. As the product is a mixture 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 determined penetration times according to EN 16523-1:2015 are not performed under practical conditions.

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye/face protection**

If splashing might occur use safety glasses in compliance with EN ISO 166

**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:**

Orange

**Odour:**

Characteristic

**Odour threshold:**

Not determined

(Contd. on page 5)

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**Trade name:** PENEBAR® PRIMER

(Contd. of page 4)

<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	100 °C
<b>Flammability</b>	Not applicable
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Flash point:</b>	Not determined
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Decomposition temperature:</b>	Not determined
<b>pH</b>	Not determined
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined
<b>Kinematic viscosity</b>	
<b>Dynamic:</b>	Not determined
<b>Solubility</b>	
<b>water:</b>	Not determined
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not determined
<b>9.2 Other information</b>	Volatile weight: 34%
<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Auto-ignition temperature:</b>	Not determined
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Cloud point / clarification point:</b>	
<b>Oxidising properties</b>	Not considered as oxidising.
<b>Evaporation rate</b>	Slower than ether

**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void

(Contd. on page 6)

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**Trade name:** PENEBAR® PRIMER

(Contd. of page 5)

<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	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 and stored according to specifications.

Stable at environment temperature.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid**

Heat

Incompatible materials

**10.5 Incompatible materials**

Strong acids, strong bases

Strong oxidising substances.

**10.6 Hazardous decomposition products** May form carbon oxides

\*

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

LD50 oral rat &gt; 2000 mg/kg

LD50 dermal rabbit &gt; 2000 mg/kg

LC50 inhalation rat &gt; 20 mg/l/4h

**Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:**

Toxicity studies have not been conducted on this product and limited data are available in current scientific literature. However, toxicity

information is available on other closely related acrylic multipolymer emulsions:

☐ Results of single exposure (acute) studies conducted on a series of related product indicate that these materials are practically nontoxic orally (rats) or after skin applications (rabbits). They are practically non irritating to rabbit skin and are practically nonirritating to rabbit eyes. No genetic effects were observed in standard tests using bacterial and animal cells.

☐ Several related multipolymer emulsions were tested for potential to produce allergic skin reaction in controlled skin contact studies in human volunteers. These materials demonstrated a potential for cumulative irritation, but primary irritation and allergic skin reactions were not observed.

**CAS: 111-77-3 2-(2-methoxyethoxy)ethanol**

Oral	LD50	5,500 mg/kg (rat)
Dermal	LD50	6,540 mg/kg (rabbit)

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 7)

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**Trade name:** PENEBAR® PRIMER

(Contd. of page 6)

**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Additional toxicological information:****Repeated dose toxicity** 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:** No further relevant information available.**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** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects****Additional ecological information:****General notes:**

Not hazardous for water.

Not known to be hazardous to water.

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

Dispose according to National Regulations.

Contact manufacturer for recycling information.

**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.**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

(Contd. on page 8)

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**Trade name:** PENEBAR® PRIMER

(Contd. of page 7)

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

Void

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

Void

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO****instruments**

Not applicable.

**UN "Model Regulation":**

Void

\*

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 54**National regulations:****Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

**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**

H361d Suspected of damaging the unborn child.

**Department issuing SDS:**

SUSTCHEM S.A.

REACH &amp; Chemical Services Department

A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece

T: +30 210 8252510 | F: +30 210 8252575

W: www.sustchem.gr | E: info@suschem.gr

**Version number of previous version: 7****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

(Contd. on page 9)

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 11.06.2021

Version number 8 (replaces version 7)

Revision: 11.06.2021

**Trade name:** PENEBAR® PRIMER

(Contd. of page 8)

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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Repr. 2: Reproductive toxicity – Category 2

**\* Data compared to the previous version altered.**

GB