

TERAFLEX® UNIVERSAL PRIMER PRIOR TO PAINTING

universal breathing primer before painting,
decreases indicative consumption of paint
and avoids formation of color differences and spots when painting

1. Product / Production and Corporate Title

1.1. Product name

TERAFLEX® UNIVERSAL PRIMER PRIOR TO PAINTING

1.2. Scope of use:

TERAFLEX® UNIVERSAL PRIMER PRIOR TO PAINTING is a ready-to-use primer based on styrene-acrylic dispersion. It is used prior to indoor painting for preparation of all types of mineral bases such as cement, lime mortar, gypsum mortars and plasters, also gypsum boards, fiberboards and others. It is highly recommended for application on strong wall and ceiling coverings of old water-dispersion paints.

1.3. Company:

Marisan and Kolev Ltd.
East Industrial Zone
15, Kalna Dere Str.
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1.4. In case of emergency:

Tel.: 112

Toxicology Clinic to Multi-profile Hospital for Active Treatment SA „N. I. Pirogov”

Tel.: + 359 2 9154 411
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2. Possible hazards

2.1. Classification of the substance or the mixture – mixture:

2.1.1. Classification in accordance with Directive 67/548 EU

The product is not subjected to obligatory marking based on the methods for assessment from “General classification guideline for substances of the EU” in its latest valid version – the product does not contain hazardous chemical or harmful substances. It does not emit substances which are pollutant to the environment.

2.1.2. Classification in accordance with Regulation (EU) 1272/2008

This product is not classified as hazardous.

Classification system:

The classification system corresponds to the current lists of EU and it is completed with additional data from a certain specialized literature.

2.2. Label elements

2.2.1. Labeling in accordance with Regulation (EU)1272/2008 (CLP)

Pictograms

Hazard phrases

Safety recommendations

2.2.2. Labeling in accordance with Directive 1999/45 (DPD)

Hazard symbols

Risk phrases

Safety Recommendations

2.3. Other hazard phrases

Results from PBT or vPvB hazards

- PBT – not tested
- vPvB - not tested

3. Composition / Information on Ingredients

3.1. Substances - not applicable

3.2. Mixture

3.2.1. Common characteristic

Description:

Homogenous mix based on styrene-acrylic dispersion, fillers, polymers and organic additives.
Maximum content of volatile organic compounds (cat. A/b)– 40 g/l.

Components determining the harm:

Does not contain dangerous chemical substances.

The appointed safety instructions are formulated and contained in Chapter 16.

4. First Aid Measures

General information

Cases of damage to the health caused by the product are unknown. Nevertheless, it is recommendable to keep good standards of the production and hygiene practice.

When inhaled:

Provide for fresh air and seek medical advice. Adverse effects by this route of exposure are unexpected.

In case of skin contact:

Rinse thoroughly with water and soap. In events of continuous irritation seek medical advice

In case of eye contact:

Adverse effects by this route of exposure are unexpected. Remove lenses if any. Rinse with plenty of water with open eyelids for at least 15 minutes. If irritation continues seek medical advice.

When swallowed:

Rinse the mouth with plenty of water and then drink water.

Do not drink other liquids, do not induce vomiting. If the symptoms continue, seek doctors' help and provide the label.

Adverse effects by this route of exposure are unexpected.

Note to the Medics:

The treatment of over-exposure to the product should be chosen based on the symptoms

5. Fire-Fighting Measures

5.1. Extinguishing agents

The product is not inflammable. However, the packaging is inflammable. Use fire-fighting measures which are suitable for the surrounding.

Suitable extinguishing agents:

Water mist, foam, carbon dioxide, dry chemical powder, alkali resistant foam.

Unsuitable extinguishing means because of security considerations

Water jet

5.2. Special hazards arising from substance or mixture

In case of fire some of the contents of this product may decompose. The smoke may contain unknown toxic and/or irritating compounds. While burning the following substances or groups of substances could be emitted:

- ✓ Carbon dioxide (CO)
- ✓ Organic substances

5.3. Advice for firefighters

Carry individual respiratory apparatus with pressured air and protective firefighting clothing (firefighting helmet, jacket, trousers, shoes and gloves).

5.4. Supplementary information:

In case of fire close to the product, cool down the packages with water jet in order not to increase the pressure and to inflame the plastic packages.

In case of fire dense black smoke is accompanied by intensive formation of soot. Inhalation of the substances which are formed after the decomposition could cause serious health damages. The leftovers from the fire and the polluted water from the putting the fire off should be disposed in compliance with the local provisions.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures:

Take the precautions indicated in items 7 and 8 into consideration

6.2. Precautions for environmental protection:

In case of an accident and/ or leakage, take measures to localize, restrict and gather product in order to prevent the contamination of the soils and the surfaced and subterranean waters.

Do not allow release into drains, plumbing and sewerage, surfaced and subterranean waters and into the soils.

6.3. Methods and materials for limitation and cleaning up:

Mechanically, the product can be cleaned up by a dry method by absorbent materials (sand, sawdust and other similar absorbers). The residues and the contaminated place could be washed by water. The contaminated water should be gathered and cleaned in a suitable manner (fluctuation or filtration)

7. Work and Storage

7.1. Precautions for safe handling

Take the precautions indicated in items 7 and 8 into consideration
Common ventilation of the room is sufficient.
Comply with the usual precautions for work with chemical substances.
Avoid contact with eyes and skin.
Do not eat, drink or smoke at the workplace.

7.2. Conditions for safe storage, including any incompatibilities:

Requirements to the storage premises and depositories:

Store in tightly closed original packages in closed and dry premises, at temperature above +5°C and under +30°C. Protect from freezing.

Instructions for storage along with other materials

Do not store together with food, drinks or fodder.

Other data about the storage conditions:

In events of long lasting storage the product may acquire odor of bacteria.

7.3. Specific and end-use

The product has no other uses than those specified on the label and product data sheet.

8. Exposure Controls and Personal Protective equipment

8.1. Parameters and control

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments and Regulation (EC) No. 1272/2008 on classification, packaging and labeling of dangerous chemical substances and mixtures and no specific exposure limits.

8.2. Exposure control

Ensure adequate ventilation in work areas.

Technical control means:

Good general ventilation is sufficient in most of the events. Local suction ventilation may be needed in some production operations.
The storage premises and the places where the product is to be used, must be equipped with devices for washing and rinsing the eyes.

8.3. Individual protection measures, such as personal protective equipment:

General protective and hygienic measures:	Special measures are not required. After completion of work and prior to resting, wash your hands with water and soap.
Respiratory protection:	Special measures are not required. Respiratory mask type FFP2SL in accordance to EN 149 could be used.
Skin protection:	Sort term protection is not required. In accordance with EN 374 protective gloves which are resistant to the product could be used (PVC, chloroprene or nitrile rubber). Time of glove break through should be preliminarily checked with the glove manufacturer and to be monitored and kept. Prior to work it is recommendable to use skin softening hand cream.
Eye protection:	Special protection is not needed. Protective goggles with side protection could be used.
Body protection:	Standard protective clothing

9. Physical and Chemical Properties

9.1. Information about the physical and Chemical Properties

Appearance	fluid homogenous mass
Color:	depending on the product's specification
Odor:	none
Freezing interval / point:	0°C
Interval / Temperature of melting:	Not applicable
Interval / Temperature of boiling:	100°C
Flashing point:	Not applicable
Auto ignition point	Not applicable
Temperature of inflammability and explosion:	
Lower limit	Not applicable
Upper limit	Not applicable
Density, 23°C:	1,4 kg/l
pH:	8,5 – 9
Solubility:	The product is dilutable in water in its current state.

10. Stability and Reactivity

10.1. Reactivity

Not known when the product is used properly.

10.2. Chemical stability:

The product is stable under normal conditions of work and storage.

10.3. Possibility of hazardous reactions

Unknown when used properly

10.4. Conditions to avoid:

If it freezes (at 0°C), it may coagulate.

If there is a thermal decomposition (in temperatures above 170°C) or in case of fire, vapours potentially hazardous to the health could be emitted.

10.5. Incompatible materials

Adding chemicals such as acids and multivalent metal salts could cause coagulation.

10.6 Hazardous products of decomposition

Unknown if used properly.

11. Toxicological Information

11.1. Information on toxicological effects

The toxicological properties of the product are not tested. The evaluation is made based on data about similar materials.

Acute toxicity

LD50 oral rat >2.000 – 10.000 mg/ kg

Irritating effect:

Calculation of the irritation effect: If the product sticks to the skin, it could cause irritation when drying up.

Initial irritation to dermal rabbit (Directive 404 of OECD)

Initial irritation to saliva rabbit (Directive 405 of OECD)

11.2. Information on possible ways of exposure

When swallowed:

Unlikely route of exposure.

After contact with the skin:

Absorption through skin is not expected because of the physical properties of the product.

When using the product irritation to skin is not expected.

After inhalation:

Unlikely route of exposure. Single inhalation is not expected to be hazardous.

After contact with the eyes:

It may cause slight temporary irritation of the eyes to sensitive people.

Other data:

There is no data about any mutagenic influence.

There is no data about any carcinogenic effect.

There is no data about any fertility harm effect.

11.3. Supplementary information:

No negative effects are known when working with the product in compliance with the instructions so far. This product might have slightly irritating effect to extremely sensitive people when inhaled and/or when absorbed through skin, when in eyes, when swallowed.

It is not obligatory to label the product as hazardous in accordance with the general directive for classification of EU in its latest valid version.

12. Ecological Information**12.1. Toxicity****Eco-toxicity**

Toxicity or fish:

LC 50 (96 h) > 100 mg/l, Brachydanio rerio (Directive 203 of OECD, static)

Aquatic invertebrates

EC 50 (48 h) > 100 mg/l, Daphnia magna (Directive 202 of OECD, chapter 1, static)

Aquatic plants:

EC 50 (72 h) > 100 mg/l, Scenedesmus subspicatus (Directive 201 of OECD)

Nominal concentration

Microorganisms / Influence on activated sludge:

EC 20 (0,5 h) > 100 mg/l, activated sludge (DIN EN ISO 8192-OCDE 209-88/302/CEE,P. C)

When introducing limited concentrations in biological wastewater treatment facilities it is not expected to cause violations to the degradation ability of the activated sludge.

12.2. Resistance and degradability

The product does not degrade biologically.

Data on elimination

Grading : Bio-decompositions, Test is closed bottle (Test OECD № 301 D) after 28 days: < 10%. Dispersed latex color the water in white.

Toxicity in water

Acute LC50 (Onchorynchus mykiss) >100 mg/l,

Acute EC50 (Daphnia magna) >100 mg/l,

12.3. Bio-accumulating ability

The product does not have bio-accumulating ability because of the structural properties of the polymer. Bio-accumulation in the organisms is not expected.

12.4. Mobility in soil

Soil: Soaks into the soil and seeps through absorption.
Water: Dilutable with water
Air: No data.

12.5. Other adverse impacts

Use the product in good production practice and do not throw out the residues in the environment. Inform the adequate services if the water reaches water and/or canalization or if it has contaminated pastures or crops.

Up to the current level of knowledge, adverse ecological effects are not expected.

13. Disposal Considerations

13.1. Methods for treatment of the waste

The procedures for elimination and destruction should correspond to all the local and national laws and provisions.

13.2. Packaging wastes:

The completely emptied and cleaned packages can be used again or handed over for recycling. A contact should be established with the manufacturer about recycling.

14. Transport Information

14.1. Land transportation ADR / RID: The product is not classified at this mode of transportation.

14.2. Sea transport IMDG / GGVSee: The product is not classified at this mode of transportation

14.3. Air transport ICAO / IATA: The product is not classified at this mode of transportation

15. Regulatory Information

15.1. Specific for the substance or mixture / legislation on safety, health and environment:

- The product does not contain information about the ozone layer according Reglament/EO/2073/2007
- The product does not contain substances, persistent organic pollutants under Reglament/EO/850/2004
- According EO/67/548 the product does not require labeling for dangerous products.

15.2. Assess the safety of the substance or mixture:

There are no estimates available.

16. Other Information

16.1. Statements indicated in Chapter 3

H – phrases:

R – phrases:

16.2. Sources of information

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18.12.2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and the relevant international rules for transport
- Regulation (EC) No. 1272/2008 on classification, packaging and labeling of dangerous substances and mixtures
- Regulation (EC) 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18.12.2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) .7
- Regulation (EC) 67/548 relating to the classification, packaging and labeling of dangerous substances and mixtures
- Law on protection from the harmful effects of chemicals / SG 95 of 24.11.2006
- Ordinance on the manner of classification, packaging and labeling of chemical substances and mixtures
- Ordinance № 13 on the protection of workers from risks related to exposure to chemical agents at work
- Ordinance № 14 on the norms of permissible concentrations of harmful substances in the atmospheric air of the settlements
- European Agreement concerning the international carriage of dangerous goods ADR
- Regulations concerning the International Carriage of Dangerous Goods RID

The data in this Safety Data Sheet are based on the current state of our knowledge and satisfy the national legislation and the legislation of the EU. The specific conditions of work of the relevant user, however, are beyond our knowledge and control. The user shall be obligated under his own responsibility to conform to the relevant existing legal norms and provisions. The data in this Safety Data Sheet describe the requirements for security and do not constitute any guarantee for the properties of the product.

