



## 1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name: B105 BOYSEN ACRYLIC LOW VOC PRIMER**

· **Application of the substance / the preparation**

Boysen Ecoprimer is an eco-friendly acrylic water-based primer used for masonry and drywall surfaces. This ultra-low volatile organic compound (VOC) formulation is designed to have a superior alkali resistance, excellent adhesion and sealing properties ideal for interior and exterior application.

*Principal Uses: Designed as an ideal primer for all water-based low VOC latex paint products including Boysen Healthy Home, Virtuoso Silk Touch, Boysen KNOxOUT Air Cleaning Paint Acrylic Water-based and Silicone-based topcoat on concrete, stucco, bricks plaster and drywall surfaces.*

· **Manufacturer/Supplier:**

Pacific Paint (Boysen) Philippines, Inc.  
292 D.Tuazon St., Quezon City  
1115 Philippines

· **Further information obtainable from:** Product safety department

· **Information in case of emergency:**

Telephone Nos. : +63 2 364 3505; +63 2 365 0561  
Facsimile Nos. : +63 2 367 8881; +63 2 361 7164  
Email Address : [inquiry@boysen.com.ph](mailto:inquiry@boysen.com.ph)  
Website Address : [www.boysen.com.ph](http://www.boysen.com.ph)

## 2 Hazards identification

· **Hazard description:**



*Xi Irritant*

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 43 May cause sensitisation by skin contact.

· **Classification system:**

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

· **GHS label elements**



**Warning**

3.4/1 - May cause an allergic skin reaction.

**Warning**

3.1/5 - May be harmful if swallowed.

3.1/5 - May be harmful in contact with skin.

· **Prevention:**

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

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

· **Response:**

IF ON SKIN: Wash with plenty of soap and water.

Call a POISON CENTER or doctor/physician if you feel unwell.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

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- **Disposal:**  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 471-34-1 EINECS: 207-439-9	calcium carbonate	10-25%
CAS: 9004-62-0 EINECS: 217-576-6	Hydroxyethyl starch ☠ T, ☠ Xi; R 23/24/25-36/37/38 Danger: ☠ 3.1.O/2, 3.1.D/2, 3.1.I/2, 3.2/2, 3.3/2A, 3.8/3	≤ 2.5%
CAS: 55965-84-9	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2-Hisothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) ☠ T, ☠ C, ☠ N; R 23/24/25-34-43-50/53 Danger: ☠ 3.1.O/2, 3.1.D/2, 3.1.I/2, 3.4.S/1; ☠ 3.2/1B Warning: ☠ 4.1.C/1	≤ 2.5%

· **Additional information:**

For the wording of the listed risk phrases refer to section 16.

CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	25-50%
CAS: 14807-96-6 EINECS: 238-877-9	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	10-25%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide	2.5-10%

### 4 First aid measures

- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Ensure adequate ventilation.

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## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

**471-34-1 calcium carbonate**

PEL (USA)	15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (USA)	TLV withdrawn

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.
- **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.
- **Protection of hands:**



Protective gloves

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

- **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 preparation 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 exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:** Goggles recommended during refilling

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 100°C

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 29°C:** 1.35 - 1.45 kg/li (ASTM D1475)

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

· **pH-value at 29°C:** 8.5 - 9.0 (Direct Reading)

· **Viscosity:**  
**Dynamic at 29°C:** 85 - 90 KU (ASTM D562)

· **Solvent content:**

<b>Organic solvents:</b>	0.6 %
<b>Water:</b>	45.6 %
<b>VOC (EC)</b>	36.7 g/ Li

· **Solids content:** 44.2 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Cause mild irritation
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant
- **Sensitisation** May cause sensitisation by skin contact.

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## 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

## 15 Regulatory information

### · Philippines Inventory of Chemicals and Chemical Substances

471-34-1	calcium carbonate
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
13463-67-7	titanium dioxide
9004-62-0	Hydroxyethyl starch
7631-86-9	silicon dioxide, chemically prepared
21645-51-2	aluminium hydroxide
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic
111-46-6	2,2'-oxybisethanol
124-68-5	2-amino-2-methylpropanol
330-54-1	diuron(ISO)
7631-99-4	sodium nitrate, containing in the dry state more than 16,3 per cent by weight of nitrogen
10605-21-7	carbendazim (ISO)
26530-20-1	2-octyl-2H-isothiazol-3-one
50-00-0	formaldehyde
10377-60-3	Magnesium nitrate 6-hydrate Magnesium (II), hexahydrate Nitric acid, magnesium salt, hexahydrate

- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

### · Code letter and hazard designation of product:



Xi Irritant

### · Hazard-determining components of labelling:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

### · Risk phrases:

43 May cause sensitisation by skin contact.

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· **Safety phrases:**

- 2     Keep out of the reach of children.
- 23    Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- 24    Avoid contact with skin.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 37    Wear suitable gloves.
- 46    If swallowed, seek medical advice immediately and show this container or label.

## 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 R-phrases**

- 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- 34     Causes burns.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 43     May cause sensitisation by skin contact.
- 50/53   Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Department issuing MSDS:**

Safety, health and Environment Department  
 Gretchen A. Fontejon - g\_fontejon@boysen.com.ph  
 Joanne C. Ysrael - joanneysrael@boysen.com.ph

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 VOC: Volatile Organic Compounds (USA, EU)

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

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