

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

· Product details

· Trade name: **B800 Flatwall Enamel**

· Application of the substance / the preparation

Boysen Flatwall Enamel is a premium quality alkyd enamel that dries and provides superior hiding and durability when low gloss finishes are desired for interior wood 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 8878

: +63 2 364 0472

Email Address : inquiry@boysen.com.ph

Website Address : www.boysen.com.ph

2 Hazards identification

· Hazard description:



Xn Harmful

· 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 10 Flammable.

R 38 Irritating to skin.

R 48 Danger of serious damage to health by prolonged exposure.

R 62 Possible risk of impaired fertility.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 67 Vapours may cause drowsiness and dizziness.

· Classification system:

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

· GHS label elements



Danger

3.10/1 - May be fatal if swallowed and enters airways.



Warning

2.6/3 - Flammable liquid and vapour.



Warning

3.2/2 - Causes skin irritation.

3.8/3 - May cause drowsiness or dizziness.

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Warning

3.3/2B - Causes eye irritation.

4.1/3 - Harmful to aquatic life with long lasting effects.

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

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

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

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

Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Specific treatment (see on this label).

Do NOT induce vomiting.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

In case of fire: Use for extinction: CO₂, powder or water spray.**Storage:**

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

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: 64742-81-0 EINECS: 265-184-9	Kerosine (petroleum), hydrodesulfurized ☠ Xn; R 65 Danger: ☠ 3.10/1	10-25%
CAS: 8008-20-6 EINECS: 232-366-4	Kerosine (petroleum) ☠ Xn, ☠ Xi, ☠ F, ☠ N; R 11-20-38-48-51/53-65-66-67 Danger: ☠ 2.6/2; ☠ 3.10/1 Warning: ☠ 3.1.1/4, 3.8/3; 3.2/3 ☠ 4.1.C/2	10-25%
CAS: 1332-58-7	Kaolin	2.5-10%

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CAS: 91-20-3 EINECS: 202-049-5	naphthalene Carc. Cat. 3; Xn, N; R 22-40-50/53 Danger: 3.1.O/3 Warning: 3.6/2; 4.1.C/1; 2.6/4	≤ 2.5%
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Additional information:

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

CAS: 14807-96-6 EINECS: 238-877-9	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10-25%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide	10-25%

4 First aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** 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:** CO₂, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

· **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.

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

· **Measures for cleaning/collecting:**

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

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:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

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

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 · **Further information about storage conditions:** Keep container tightly sealed.

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 ³ *total dust **respirable fraction
REL (USA)	10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn

64742-81-0 Kerosine (petroleum), hydrodesulfurized

REL (USA)	100 mg/m ³
TLV (USA)	200 mg/m ³ as total hydrocarbon vapor; Skin; P

8008-20-6 Kerosine (petroleum)

REL (USA)	100 mg/m ³
TLV (USA)	200 mg/m ³ as total hydrocarbon vapor; Skin; P

1332-58-7 Kaolin

PEL (USA)	15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	2* mg/m ³ E; as respirable fraction

 · **Additional information:** The lists valid during the making were used as basis.

 · **Personal protective equipment:**

 · **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

 · **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.

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· 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.

· Eye protection:


Tightly sealed goggles

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 150°C

· Flash point: 38°C

· Ignition temperature: 210°C

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 0.7 Vol %

Upper: 5.0 Vol %

· Vapour pressure at 20°C: 0.3 hPa

· Density at 29°C: 11.64 - 12.00 lbs/gal (ASTM D1475)

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

· Viscosity:

Dynamic at 29°C: 83 - 89 KU (ASTM D562)

· Solvent content:

Organic solvents: 33.1 %

VOC (EC) 464.8 g/L

· Solids content: 65 - 67 % (ASTM D2369 -95)

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.

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11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:****91-20-3 naphthalene**

Oral LD50 490 mg/kg (rat)

Dermal LD50 5000 mg/kg (rat)

· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:** No irritating effect.· **Sensitization:** No sensitizing effects known.· **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

12 Ecological information

· **Ecotoxicological effects:**· **Remark:** Harmful to fish· **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Harmful to aquatic organisms

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

· **Land transport ADR/RID (cross-border)**· **ADR/RID class:** 3 (F1) Flammable liquids.· **Danger code (Kemler):** 30· **UN-Number:** 1263· **Packaging group:** III· **Hazard label:** 3

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· **Description of goods:** 1263 PAINT, special provision 640E· **Maritime transport IMDG:**

· **IMDG Class:** 3
 · **UN Number:** 1263
 · **Label** 3
 · **Packaging group:** III
 · **EMS Number:** F-E,S-E
 · **Marine pollutant:** No
 · **Proper shipping name:** PAINT

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1263
 · **Label** 3
 · **Packaging group:** III
 · **Proper shipping name:** PAINT

· **UN "Model Regulation":** UN1263, PAINT, 3, III

15 Regulatory information

· **Philippines Inventory of Chemicals and Chemical Substances**

14807-96-6	Talc ($Mg_3H_2(SiO_3)_4$)
471-34-1	calcium carbonate
64742-81-0	Kerosine (petroleum), hydrodesulfurized
8008-20-6	Kerosine (petroleum)
13463-67-7	titanium dioxide
1332-58-7	Kaolin
7631-86-9	silicon dioxide, chemically prepared
21645-51-2	aluminium hydroxide
68953-58-2	bis(hydrogenatedtallowalkyl)dimethylammoniumbentonite Ditallowdimethylammonium
8030-76-0	Lecithin Phosphatidylcholine Vegetable Lecithin Lecithin soya bean Lecithin soybean Soybean Soyabean lecithin
91-20-3	naphthalene
100-41-4	ethylbenzene
96-29-7	2-butanone oxime
25322-68-3	Polyethylene glycol

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110-80-5	2-ethoxyethanol
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· 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:


Xn Harmful

· Hazard-determining components of labelling:

Kerosine (petroleum)

· Risk phrases:

- 10 Flammable.
- 38 Irritating to skin.
- 48 Danger of serious damage to health by prolonged exposure.
- 62 Possible risk of impaired fertility.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 67 Vapours may cause drowsiness and dizziness.

· Safety phrases:

- 2 Keep out of the reach of children.
- 13 Keep away from food, drink and animal feedingstuffs.
- 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 36/37 Wear suitable protective clothing and 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

- 11 Highly flammable.
- 20 Harmful by inhalation.
- 22 Harmful if swallowed.
- 38 Irritating to skin.
- 40 Limited evidence of a carcinogenic effect.
- 48 Danger of serious damage to health by prolonged exposure.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

· 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:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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*IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)**ICAO: International Civil Aviation Organization**ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**VOC: Volatile Organic Compounds (USA, EU)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent*** **Data compared to the previous version altered.***

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