Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.05.2012 Version number 2 Revision: 20.06.2010

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

· **Product identifier**

· **Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE**

· **Relevant identified uses of the substance or mixture and uses advised against**

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

Boysen Acrytex is an acrylic solvent-based coating that forms a seamless, non-porous, watertight film that repels water and prevents seepage. It is noted for its excellent adhesion and long-term durability. Creates a very tight film, serving as a moisture sealant for concrete and a stain inhibitor for wood.

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

· **Manufacturer/Supplier:**

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

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

· **Emergency telephone number:**

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

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2 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Repr. 1B H360FD May damage fertility. May damage the unborn child.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



T; Toxic

R45-46: May cause cancer. May cause heritable genetic damage.



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.

R10-52/53: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **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.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.05.2012 Version number 2 Revision: 20.06.2010

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 1)

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

· **Label elements**

· **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:**



T Toxic

· **Hazard-determining components of labelling:**
Solvent naphtha (petroleum), light arom.
Naphtha (petroleum), hydrodesulfurized heavy

· **Risk phrases:**
45 May cause cancer.
46 May cause heritable genetic damage.
10 Flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.

· **Safety phrases:**
53 Avoid exposure - obtain special instructions before use.
1/2 Keep locked up and out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
20 When using do not eat or drink.
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

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

· **Dangerous components:**

CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. T Carc. Cat. 2, Muta. Cat. 2 R45-46; Xn R65 Carc. 1B, H350; Asp. Tox. 1, H304	10-25%

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.05.2012 Version number 2 Revision: 20.06.2010

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 2)

CAS: 95-63-6 EINECS: 202-436-9	1,2,4-trimethylbenzene Xn R20; Xi R36/37/38; N R51/53 R10 Flam. Liq. 3, H226; Aquatic Chronic 2, H411; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-25%
CAS: 1332-58-7	Kaolin substance with a Community workplace exposure limit	2.5-10%
CAS: 108-67-8 EINECS: 203-604-4	mesitylene Xi R37; N R51/53 R10 Flam. Liq. 3, H226; Aquatic Chronic 2, H411; STOT SE 3, H335	2.5-10%
CAS: 64742-82-1 EINECS: 265-185-4	Naphtha (petroleum), hydrodesulfurized heavy T Carc. Cat. 2, Muta. Cat. 2 R45-46; Xn R65 Carc. 1B, H350; Asp. Tox. 1, H304	2.5-10%
CAS: 98-82-8 EINECS: 202-704-5	cumene Xn R65; Xi R37; N R51/53 R10 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335	2.5-10%
CAS: 117-84-0 EINECS: 204-214-7	dioctyl phthalate Xn R62-63 Repr. 2, H361	≤ 2.5%

· **Additional information:**
For the wording of the listed risk phrases refer to section 16.

CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide	10-25%
CAS: 14807-96-6 EINECS: 238-877-9	Talc (Mg3H2(SiO3)4)	10-25%
CAS: 7631-86-9 EINECS: 231-545-4	silicon dioxide, chemically prepared	≤ 2.5%
CAS: 21645-51-2 EINECS: 244-492-7	aluminium hydroxide	≤ 2.5%

4 First aid measures

· **Description of first aid measures**
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:** If symptoms persist consult doctor.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 3)

· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture** No further relevant information available.
· **Advice for firefighters**
· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:**
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.
· **Methods and material for containment and cleaning up:**
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
· **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.

7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **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:** Keep container tightly sealed.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 4)

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
95-63-6 1,2,4-trimethylbenzene	
REL (USA)	125 mg/m³, 25 ppm
TLV (USA)	123 mg/m³, 25 ppm
IOELV (EU)	100 mg/m³, 20 ppm
1332-58-7 Kaolin	
PEL (USA)	15* 5** mg/m³ *total dust **respirable fraction
REL (USA)	10* 5** mg/m³ *total dust **respirable fraction
TLV (USA)	2* mg/m³ E; as respirable fraction
108-67-8 mesitylene	
REL (USA)	125 mg/m³, 25 ppm
TLV (USA)	123 mg/m³, 25 ppm
IOELV (EU)	100 mg/m³, 20 ppm
98-82-8 cumene	
PEL (USA)	245 mg/m³, 50 ppm Skin
REL (USA)	245 mg/m³, 50 ppm Skin
TLV (USA)	246 mg/m³, 50 ppm
IOELV (EU)	Short-term value: 250 mg/m³, 50 ppm Long-term value: 100 mg/m³, 20 ppm Skin

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

· **Exposure controls**
· **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.
Store protective clothing separately.
· **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

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 5)

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.

· **Eye protection:**



Tightly sealed goggles

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Fluid
Colour:	According to product specification
· **Odour:**	Characteristic
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	152°C
· **Flash point:**	36°C
· **Ignition temperature:**	450°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:	7.5 Vol %
· **Vapour pressure at 20°C:**	5 hPa
· **Density at 29°C:**	1.08 Kg/Li
· **Solubility in / Miscibility with water:**	Not miscible or difficult to mix.
· **Viscosity:**	80 - 82 KU
· **Solvent content:**	
Organic solvents:	39.6 %
Water:	0.2 %
VOC (EC)	338.6 g/L
Solids content:	35.7 %
· **Other information**	No further relevant information available.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 6)

10 Stability and reactivity

· **Reactivity**
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**		
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)
95-63-6 1,2,4-trimethylbenzene		
Oral	LD50	5000 mg/kg (rat)
98-82-8 cumene		
Oral	LD50	1400 mg/kg (rat)
Dermal	LD50	12300 mg/kg (rabbit)
Inhalative	LC50/4 h	24.7 mg/l (mouse)

· **Primary irritant effect:**
· **on the skin:** Cause mild irritation
· **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:
Carcinogenic.
The product can cause inheritable damage.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **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.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 7)

Danger to drinking water if even extremely small quantities leak into the ground.
Harmful to aquatic organisms
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **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

· **UN-Number**	
· **ADR, IMDG, IATA**	1263
· **UN proper shipping name**	
· **ADR**	1263 PAINT
· **IMDG, IATA**	PAINT
· **Transport hazard class(es)**	
· **ADR**	
· **Class**	3 Flammable liquids.
· **Label**	3
· **IMDG, IATA**	
· **Class**	3 Flammable liquids.
· **Label**	3
· **Packing group**	
· **IMDG, IATA**	III
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Warning: Flammable liquids.
· **EMS Number:**	F-E,S-E

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 8)

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	UN1263, PAINT, 3

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Philippines Inventory of Chemicals and Chemical Substances**	
13463-67-7	titanium dioxide
14807-96-6	Talc (Mg3H2(SiO3)4)
64742-95-6	Solvent naphtha (petroleum), light arom.
95-63-6	1,2,4-trimethylbenzene
1332-58-7	Kaolin
108-67-8	mesitylene
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy
98-82-8	cumene
117-84-0	dioctyl phthalate
7631-86-9	silicon dioxide, chemically prepared
21645-51-2	aluminium hydroxide
68953-58-2	bis(hydrogenatedtallowalkyl)dimethylammoniumbentonite Ditallowdimethylammonium
1330-20-7	xylene
108-94-1	cyclohexanone
14808-60-7	Quartz (SiO2)

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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**

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.
R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R37 Irritating to respiratory system.
R45 May cause cancer.

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: B1715 BOYSEN ACRYTEX SEMIGLOSS WHITE

(Contd. of page 9)

R46 May cause heritable genetic damage.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.

· **Department issuing MSDS:**
Safety, Health and Environment Department
Gretchen A. Fontejon - g_fontejon@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)
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.***

20.06.2010