



# Bondaglass-Voss Ltd

158-160 Ravenscroft Road Beckenham ,  
Kent, BR3 4TW  
Tel: 020-8778-0071  
Fax: 020-8659-5297  
EMAIL [bondaglass@btconnect.com](mailto:bondaglass@btconnect.com)

## BONDA RUST PRIMER/AEROSOL

### HEALTH AND SAFETY DATA SHEET

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

##### **Product identifier**

Product name                                      Bonda Rust Primer  
Chemical Name                                    ALKYD RESIN/ Aromatic hydrocarbons

Pure substance/mixture                        Mixture

##### **Relevant identified uses of the substance or mixture**

Sector of use                                      Anti corrosion primer for metal.

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

Supplier    Bondaglass-Voss Ltd  
158-160 Ravenscroft Road  
Beckenham,  
Kent  
BR3 4TW  
Tel : 020 87780071  
Fax : 020 8659 5297

E-mail address                                    [bondaglass@btconnect.com](mailto:bondaglass@btconnect.com)

#### 2. HAZARDS IDENTIFICATION

Classification according to EU Directives 1999/45/EC :

; R10  
Xn; R48/20 R20/21 Xi; R36/37/38

Additional information:

For the full text of the R, H, EUH-phrases mentioned in this Section, see Section 16.

##### 2.2. Label elements

Label elements (REGULATION (EC) No 1272/2008):



Hazardous components which must be listed on the label:

Xylene, all isomers

Signal word: Harmful

Hazard statements :

H226 : Flammable liquid and vapour, H315 : Causes skin irritation.  
H319 : Causes serious eye irritation., H335 : May cause respiratory irritation.  
H373 : May cause damage to organs through prolonged or repeated exposure.

P210 : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 : Avoid breathing dust/ fumes.

P280 : Wear protective gloves/protective clothing

P312 : Call a Doctor if you feel unwell.

P337 + P313 : If eye irritation persists: Get medical attention.

P403 + P233 : Store in a well-ventilated place. Keep container tightly closed.

**Other hazards Potential health effects :**

Inhalation: Risk of asthma-like respiratory effect at high vapour concentrations : Irritation of upper respiratory system. Risk of headache  
Dizziness Stomach/intestinal disorders Drowsiness Nausea Skin contact: Risk of skin sensitization.

**Environmental Effects:**

Toxic to fish. Toxic to daphnia . Toxic to algae.

**Physical and chemical hazards:**

Flammable liquid. Thermal decomposition giving toxic products Decomposition products: See chapter 10

**Other:**

Results of PBT and vPvB assessment : This information is not required.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Chemical nature of the mixture 1 :

Alkyd resins

Hazardous components (according to Regulation (EC) No. 1907/2006) :

Chemical Name <sup>1</sup> & REACH Registration Number <sup>2</sup>	EC-No.	CAS-No.	Concentration	Classification Directive 67/548/EEC	Classification REGULATION (EC) No 1272/2008
Xylene (01-2119488216-32) (N° ANNEX: 601-022-00-9)	215-535-7	1330-20-7	- 40 %	R10 Xn; R20/21 Xn; R65 Xi; R36/37/38 Xn; R48/20	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4 (Inhalation); H332 Acute Tox. 4 (Dermal); H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373

One constituent of this mixture is an UVCB/multi-constituent substance containing: (indication of real concentrations in product)

Ethylbenzene (01-2119489370-35) (N° ANNEX: 601-023-00-4)	202-849-4	100-41-4	< 10 %	F; R11 Xn; R20 Xn; R48/20-R65	Asp. Tox. 1; H304 Flam. Liq. 2; H225 Acute Tox. 4 (Inhalation); H332 STOT RE 2 (Inhalation); H373 Aquatic Chronic 3; H412
Toluene (01-2119471310-51) (N° ANNEX: 601-021-00-3)	203-625-9	108-88-3	< 1 %	F; R11 Repr.Cat.3; R63 Xi; R38 Xn; R48/20-R65 R67	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Repr. 2; H361d STOT SE 3; H336 STOT RE 2; H373 AH 1;

**Hazardous impurities :**

Chemical Name <sup>1</sup>	EC-No.	CAS-No.	Concentration	Classification Directive 67/548/EEC	Classification REGULATION (EC) No 1272/2008
Rosin (N° ANNEX: 650-015-00-7)	232-475-7	8050-09-7	< 0,4 %	R43	Skin Sens.1; H317
Phthalic anhydride (N° ANNEX : 607-009-00-4)	201-607-5	85-44-9	< 0,3 %	Xn; R22 Xi; R37/38-R41 R42/43	Acute Tox.4 (Oral); H302 Skin Irrit.2; H315 Eye Dam.1; H318 Resp. Sens.1; H334 Skin Sens.1; H317 STOT SE3; H335

**4. FIRST AID MEASURES**

Description of necessary first-aid measures & Most important symptoms/effects,

Inhalation: Move patient from contaminated area to fresh air. In case of problems : Consult a doctor

Skin contact Wash immediately and thoroughly with soap and water. If skin irritation occurs , seek medical advice.

Eye contact : Wash open eyes immediately, abundantly and thoroughly for at least 15 minutes. Seek advice of an ophthalmologist if necessary.

Ingestion :Do NOT induce vomiting .Call a doctor immediately .

**Protection of first-aiders :**

Protective suit. In case of insufficient ventilation , wear suitable respiratory equipment.



## 5. FIREFIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media:

Water spray, Water mist, powder, foam, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media:

High volume water jet

### Special hazards arising from the substance or mixture:

Flammable liquid

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Thermal decomposition into harmful products. Irritating or toxic vapors.

Formation of toxic products through combustion: Carbon oxides

### Advice for firefighters:

#### **Specific methods:**

In the event of fire and/or explosion do not breathe fumes. Do not allow run-off from fire fighting to enter drains or water courses.

#### **Special protective actions for fire-fighters:**

In the event of fire, wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Prohibit all sources of sparks and ignition. Do not smoke. Avoid contact with the skin and the eyes. Avoid inhalation of vapours. In case of insufficient ventilation, wear suitable respiratory equipment.

### Environmental precautions:

Do not let product enter drains. Do not flush into surface water. Do not release into the environment.

### Methods and materials for containment and cleaning up: Recovery:

Collect into suitable container for disposal. Absorb the remainder with an inert absorbent material (sand, vermiculite, perlite). No sparking tools should be used.

## 7. HANDLING AND STORAGE

### Precautions for safe handling: Technical measures/Precautions:

Storage and handling precautions applicable to products: Liquid. Flammable. Irritant. Provide appropriate exhaust ventilation.. Provide eye-baths

### Safe handling advice:

Prohibit all sources of sparks and ignition - Do not smoke. In case of insufficient ventilation, wear suitable respiratory equipment

### Hygiene measures:

Take off immediately all contaminated clothing. Avoid contact with the skin and the eyes. Avoid inhalation of vapours. When using do not eat, drink or smoke.

Wash hands after handling.

### Conditions for safe storage, including any incompatibilities:

Keep tightly closed in a dry, cool and well-ventilated place. Store in original container. Store away from heat and ignition sources.

### Incompatible products:

Acids Oxidizing agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

Xylene

Source	Date	Value type	Value loom)	Value (mq/m3)	Remarks
EH40 WEL	12 2011	STEL	100	441	-
EH40 WEL	12 2011	SKIN	-	-	Can be absorbed through the skin.
EH40 WEL	12 2011	TWA	50	220	-
EU ELV	12 2009	TWA	50	221	Indicative value
EU ELV	12 2009	STEL	100	442	Indicative value
EU ELV	12 2009	SKIN	-	-	Can be absorbed through the skin.

**Ethylbenzene**

Source	Date	Value type	Value bom)	Value (mg/m3)	Remarks
EH40 WEL	12 2011	TWA	100	441	—
EH40 WEL	12 2011	SKIN	—	—	Can be absorbed through the skin.
EH40 WEL	12 2011	STEL	125	552	—
EU ELV	12 2009	SKIN	—	—	Can be absorbed through the skin.
EU ELV	12 2009	TWA	100	442	Indicative value
EU ELV	12 2009	STEL	200	884	Indicative value
ACGIH (US)	02 2012	TWA	20	—	—

**Toluene**

Source	Date	Value type	Value bom)	Value (mg/m3)	Remarks
EH40 WEL	12 2011	SKIN	—	—	Can be absorbed through the skin.
EH40 WEL	12 2011	STEL	100	384	—
EH40 WEL	12 2011	TWA	50	191	—
EU ELV	12 2009	SKIN	—	—	Can be absorbed through the skin.
EU ELV	12 2009	TWA	50	192	Indicative value
EU ELV	12 2009	STEL	100	384	Indicative value
ACGIH (US)	02 2012	TWA	20	—	—

**Rosin**

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EH40 WEL	12 2011	TWA	—	0,05	Fumes
EH40 WEL	12 2011	STEL	—	0,15	Fumes
ACGIH (US)	02 2012		—	—	Included in the regulation but with no data values. See regulation for further details.
ACGIH (US)	02 2012		—	—	Exposure by all routes should be carefully controlled to levels as low as possible.

**Phthalic anhydride**

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EH40 WEL	12 2011	STEL	—	12	—
EH40 WEL	12 2011	TWA	—	4	—
ACGIH (US)	02 2012	TWA	1	—	—

**Biological occupational exposure limits**

Substance name	CAS-No.	Control parameters	Sampling time	Update
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**Derived No Effect Level (DNEL):**

This information is not required.

**Predicted No Effect Concentration:**

This information is not required.

**Personal protective equipment**

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment  
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection.

Hand protection:

Splashes :  
Gloves

Eye/face protection:

Safety glasses

Skin and body protection:

Protective clothing.

Environmental exposure controls : See chapter 6

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

Appearance	Reddish	
Physical state	Liquid	
Odour	Aromatic Hydrocarbon	
pH		not applicable
pH (as aqueous solution)		not applicable
Melting point/range		no data available
Freezing point		no data available
Boiling point Flash point	155-181°C	



Flammability Limits in Air	>410 °C	
upper	7.0	
lower	1.0	
Vapour pressure		
Vapour density		
Density	1.22	20°C
Water solubility	Insoluble in water	no data available
Partition coefficient: n-octanol/water		no data available
Autoignition temperature	>450 °C	no data available
Decomposition temperature		no data available
Viscosity	50SEC BS3900	

## 10. STABILITY AND REACTIVITY

### Reactivity & Chemical stability:

The product is stable under normal handling and storage conditions .

### Possibility of hazardous reactions :

None under normal conditions of use.

### Conditions to avoid:

Store protected from moisture and heat. Remove all sources of ignition.

### Incompatible materials to avoid:

Acids, Oxidizing agents

### Hazardous decomposition products:

Thermal decomposition into harmful products.

Irritating or toxic vapors .

Formation of toxic products through combustion:, Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

All available data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

Information on toxicological effects:

### Acute toxicity :

**Inhalation** :According to its composition, can be considered as : Slightly harmful by inhalation

**XYLENE** At high concentrations , Risk of, headache , Drowsiness , Dizziness, Nausea, Stomach/ intestinal disorders

**Ingestion:** According to its composition, can be considered as : Slightly harmful by ingestion

**Dermal:** According to its composition, can be considered as : Slightly harmful in contact with skin

**Skin contact:** According to its composition, can be considered as : Irritating to skin.

**Eye contact:** According to its composition, can be considered as : Irritating to eyes.

**Inhalation:** According to its composition : Risk of asthma-like respiratory effect

**Carcinogenicity** According to its composition : Based on the available data, the substance is not suspected of having carcinogenic potential

**Reproductive toxicity: Fertility:** According to its composition : Based on the available data, the substance is not suspected of having reprotoxic potential.

## 12. ECOLOGICAL INFORMATION

Ecotoxicology Assessment:	Acute toxicity Fish: All available data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.
FISH	According to its composition, can be considered as : , Toxic to fish
XYLENE	May be considered as comparable to a similar product for which experimental results are: LC50, 96 h (Oncorhynchus mykiss) : 2 ,6 mg/l (Method: OECD Test Guideline 203)
Aquatic invertebrates:	According to its composition, can be considered as : , Toxic to daphnia.
XYLENE :	May be considered as comparable to a similar product for which experimental results are: IC50, 24 h (Daphnia magna (Water flea)) : 1 mg/l (Method: OECD Test Guideline 202)
Aquatic plants:	According to its composition, can be considered as : , Toxic to algae.
Results of PBT and vPvB assessment :	This information is not required.
Other adverse effects:	None known.

## 13. DISPOSAL CONSIDERATIONS

Disposal of product:	The product should not be allowed to enter drains , water courses or the soil. Dispose of contents/ container to an approved waste disposal plant. In accordance with local and national regulations .
Disposal of packaging:	Recycle if possible.

## 14. TRANSPORT INFORMATION

### ADR/RID

UN-No	UN1866
Hazard class	3
Packing group	III
Classification Code	F1
ADR/RID-Labels	3
Tunnel restriction code	(D/E)
ADR Hazard Id (Kemmler Number)	30
Description	UN1866, Resin solution, 3, III, (D/E)
Limited quantity	5 L

### IMDG/IMO

UN-No	UN1866
Hazard class	3
Packing group	III
Marine pollutant	NP
EmS	F-E, S-E
Description	UN1866, Resin solution, 3, III, (25°C c.c.)

## 15. REGULATORY INFORMATION

The mixture is classified as harmful in accordance with Directive 1999/45/EC.

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

European Union

**National regulatory information****The United Kingdom**

Avoid exceeding of the given occupational exposure limits (see section 8).

**Ireland**

Avoid exceeding of the given occupational exposure limits (see section 8).

**Chemical Safety Assessment**

No information available

**16. OTHER INFORMATION****Full text of R-phrases referred to under sections 2 and 3**

R10 - Flammable

R65 - Harmful: may cause lung damage if swallowed

R41 - Risk of serious damage to eyes

R22 - Harmful if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

R20/21 - Harmful by inhalation and in contact with skin

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation

R42/43 - May cause sensitisation by inhalation and skin contact

R37/38 - Irritating to respiratory system and skin.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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