




**MATERIAL SAFETY DATA SHEET FOR  
BOSS BRUSH GALV PAINT (ZINC RICH PRIMER) – 06768041 & 06768063**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

<b>Product type:</b>	Paint
<b>Intended use:</b>	Finish for Brush or Spray Application
<b>Trade Name:</b>	BOSS Brush Galv Paint (Zinc Rich Primer)
<b>Supplier of product:</b>	The BSS Group Ltd
<b>Registered Office:</b>	Travis Perkins PLC, Lodge Way House, Lodge Way, Harlestone Road, Northampton NN5 7UG.
<b>Telephone/Fax Numbers:</b>	0116 245 5500 / 0116 218 2214
<b>E-mail Address</b>	reception@bssgroup.com
<b>Web site Address</b>	www.bssindustrial.co.uk

**2. HAZARD IDENTIFICATION**

Classification (EX 1272/2008)	
Physical and Chemical Hazards:	Flam. Liq. 3 – H226; Water-react. 1 – H260
Human Health:	Not Classified
Environment:	Aquatic Acute 1 – H400; Aquatic Chronic 1 – H410
Classification (1999/45/EEC)	F; R15. N; R50/53. R10.

Label in Accordance with (EC) No. 1272/0008	
	
Signal Word	Danger
Hazard Statements	
H226	Flammable liquid and vapour
H260	In contact with water releases flammable gases which may ignite spontaneously
H410	Very toxic to aquatic life with long lasting effects
Precautionary Statements	
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking
P273	Avoid release to the environment
P370	In case of fire:
P378	Use alcohol-resistant foam, carbon dioxide or dry powder for extinction
P402 + 404	Store in a dry place. Store in a closed container



## 2. HAZARD IDENTIFICATION (cont)

Supplementary Precautionary Statements	
P223	Keep away from any possible contact with water because of violent reaction and possible flash fire
P231 + 232	Handle under inert gas. Protect from moisture.
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilation/fighting/lighting/...../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P280	Wear protective gloves/protective clothing/eye protection/face protection
P303 + 361 + 353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P335 + 334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages
P391	Collect spills
P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P403 + 235	Store in a well-ventilated place. Keep cool
P501	Dispose of contents/container to .....

## 3. COMPOSITION/INFORMATION ON INGREDIENTS.

<b>CALCIUM OXIDE</b>			<b>&lt; 1%</b>
CAS-No.: 1305-78-8	EC No.: 215-138-9		
Classification (EC 1272/2008):	Not classified.	Classification (67/548/EEC):	Xi;R37/38,R41.
<b>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA</b>			<b>5-10%</b>
CAS-No.: 64742-95-6	EC No.: 265-199-0		
Classification (EC 1272/2008):	Not classified	Classification (67/548/EEC):	Xn;R65. N;R51/53. R66,R67,R10.
<b>Xylene</b>			<b>5-10%</b>
CAS-No.: 1330-20-7	EC No.: 215-535-7		
Classification (EC 1272/2008):	Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Asp. Tox. 1 - H304	Classification (67/548/EEC):	Xn;R20/21,R65. Xi;R36/37/38. R10.
<b>ZINC POWDER - ZINC DUST (STABILISED)</b>			<b>60-100%</b>
CAS-No.: 7440-66-6	EC No.: 231-175-3		
Classification (EC 1272/2008):	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC)	N;R50/53
<b>(*) For Full Text see Section 16</b>			



#### **4. FIRST AID MEASURES**

<b>General information:</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Give nothing by mouth. Place unconscious person on the side in the recovery position and ensure breathing can take place.
<b>Ingestion:</b>	Get medical attention immediately! Provide rest, warmth and fresh air. DO NOT INDUCE VOMITING!
<b>Skin Contact:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Do NOT use solvents or thinners.
<b>Eye Contact:</b>	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.
<b>Most Important Symptoms and Effects, both Acute and Delayed</b>	
<b>General Information:</b>	The severity of the symptoms described will vary dependant of the concentration and length of exposure.
<b>Inhalation:</b>	Vapours may cause headache, fatigue, dizziness and nausea
<b>Ingestion:</b>	Gastrointestinal symptoms, including upset stomach
<b>Skin Contact:</b>	Prolonged contact may cause redness, irritation and dry skin
<b>Eye Contact:</b>	Extreme irritation of eyes and mucous membranes, including burning and tearing
<b>Indication of any Immediate medical Attention and Special treatment Needed:</b>	No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt GET MEDICAL ATTENTION PROMPTLY!

#### **5. FIRE FIGHTING MEASURES**

<b>Extinguishing Media:</b>	Extinguish with alcohol resistant foam, CO <sub>2</sub> , dry powder, or water fog.
<b>Unsuitable Extinguishing Media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.

<b>Special Hazards Arising from the Substance or Mixture</b>	
<b>Hazardous Combustion Products:</b>	When water is added, the product reacts with a number of metals forming hydrogen gas, which may form explosive vapour/air mixtures. During fire, toxic gases (CO, CO <sub>2</sub> , NO <sub>x</sub> ) are formed.
<b>Unusual Fire &amp; Explosion Hazards:</b>	FLAMMABLE
<b>Specific Hazards:</b>	The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. In case of fire, toxic gases may be formed (CO <sub>x</sub> , NO <sub>x</sub> )

<b>Advice for Fire fighters</b>	
<b>Special Fire Fighting Procedures:</b>	Avoid breathing fire vapours. Containers close to fire should be removed immediately or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control.
<b>Protective equipment for fire-fighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.



## **6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition.
<b>Environmental Precautions:</b>	Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities
<b>Methods and Material for Containment and Cleaning Up:</b>	For waste disposal, see section 13. Absorb in vermiculite, dry sand or earth and place into containers.
<b>Reference to Other Sections:</b>	For personal protection, see section 8

## **7. HANDLING AND STORAGE:**

<b>Precautions for Safe Handling:</b>	Risk of vapour concentration on the floor and in low-lying areas. Avoid eating, drinking and smoking when using the product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above acceptable level.
<b>Conditions for Safe Storage, including any incompatibilities:</b>	Up to 50litres of liquids with a flash point below 32 deg C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers. Store away from: Acids, Alkalis, Oxidising material.  Store in closed original container at temperatures between 5°C and 25°C
<b>Storage Class:</b>	Flammable liquid storage
<b>Specific end use(s)</b> <b>The identified uses for this product are detailed in Section 1.2.</b>	
<b>Usage Description:</b>	AVOID CONTACT WITH SKIN AND EYES.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	STD	TWA – 8 Hrs	STEL – 15 Min	Notes
Calcium Oxide	WEL	2 mg/m3		




WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls	
Protective Equipment:	  
Process Conditions:	Provide eyewash station
Engineering Measures:	Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours
Respiratory Equipment:	Wear suitable respiratory protection.
Hand Protection:	Nitrile gloves are recommended.
Eye Protection:	Wear approved safety goggles
Other Protection:	Use barrier creams to prevent skin contact
Hygiene Measures:	Wash at the end of each work shift and before eating, smoking and using the toilet.
Skin Protection:	Wear apron or protective clothing in case of splashes

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous Liquid
Colour:	Misc. colours
Odour:	Solvent
Solubility in water	Immiscible in water
Initial Boiling Point and Boiling Range (°C):	138 760 mm Hg
Relative Density:	2.813 20 DEG C
Vapour Density (air=1):	>1.0
Vapour Pressure:	1.5 mm Hg 20 DEG C
Viscosity:	4.5-5.0P 20 DEG C
Flash Point (°C):	>21 Sh CC (Setaflash closed cup)

Other Information:	
VOC Content:	493g/litre

## 10. STABILITY AND REACTIVITY

Reactivity:	When water is added, the product reacts with a number o metals forming hydrogen gas, which may for explosive vapours/air mixtures.
Chemical Stability:	Stable under normal temperature conditions and recommended use
Possibility of Hazardous Reactions:	Contact with water liberates extremely flammable gases. Hazardous Polymerisation Will not polymerise
Conditions to Avoid:	Avoid contact with Oxidising materials, strong alkalis, strong mineral acids. Avoid contact with water
Incompatible Materials:	
Materials to Avoid:	Strong acids. Strong alkalis. Strong oxidising substances.
Hazardous Decomposition Products:	In case of fire, toxic gases (CO, CO2, NOx) may be formed.



## **11. TOXICOLOGICAL INFORMATION**

<b>Toxicological Information:</b>	No data recorded
<b>General Information</b>	
Contains small amounts of organic solvents. Excessive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.	
<b>Inhalation :</b>	Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
<b>Ingestion:</b>	May cause discomfort if swallowed
<b>Skin Contact:</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye Contact:</b>	Splashes in the eyes may cause irritation and reversible local damage
<b>Health Warnings:</b>	Prolonged or repeated contact leads to drying of skin
<b>Route of Entry:</b>	Inhalation, skin absorption, ingestion, skin and/or eye contact
<b>Target Organs:</b>	Kidneys, liver, central nervous system
<b>Medical Symptoms:</b>	High concentration of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

## **12. ECOLOGICAL INFORMATION**



<b>Ecotoxicity:</b>	There is no data on the ecotoxicity of this product
<b>Persistence and Degradability</b>	
<b>Degradability:</b>	The product is biodegradable. Volatile substances are degraded in the atmosphere within a few days
<b>Bioaccumulative Potential:</b>	Bioaccumulative potential. The product contains potentially bioaccumulating substances
<b>Mobility in Soil:</b>	The product is insoluble in water and will spread on the water surface
<b>Results of PBT and vPvB assessment</b>	
<b>Other adverse effects:</b>	Not known

## **13. DISPOSAL CONSIDERATIONS**

<b>General Information:</b>	Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority
<b>Waste Treatment Methods:</b>	Dispose of waste and residue in accordance with local authority requirements.



#### **14. TRANSPORT INFORMATION**

<b>UN No (ADR/RID/ADN):</b>	1263
<b>UN No (IMDG)</b>	1263
<b>Proper Shipping Name:</b>	PAINT
<b>Hazard Class (ADR/RID/ADN):</b>	3 Class 3: Flammable Liquids
<b>IMDG Class</b>	3
<b>Transport Labels:</b>	
<b>ADR/RID/ADN Packing Group:</b>	III
<b>IMDG Packaging Group:</b>	III
<b>Environmental Hazards:</b>	Environmentally Hazardous Substance/Marine Pollutant 
<b>Special precautions for user:</b>	
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable

#### **15. REGULATORY INFORMATION**

<b>Safety, Health and Environmental Regulation/Legislations Specific for the Substance of Mixture</b>	
<p>ULK Regulatory References Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.</p> <p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.</p> <p>EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.</p>	
<b>Chemical Safety Assessment:</b>	No chemical safety assessment has been carried out.



## **16. OTHER INFORMATION**

Text of the R phrases listed in Section 2	
<b>R Phrase No</b>	<b>Text</b>
<b>R15</b>	Contact with water liberates extremely flammable gases.
<b>R10</b>	Flammable
<b>R20/21</b>	Harmful by inhalation and in contact with skin
<b>R65</b>	Harmful: may cause lung damage if swallowed
<b>R36/37/38</b>	Irritating to eyes, respiratory system and skin
<b>R37/38</b>	Irritating to skin
<b>R66</b>	Repeated exposure may cause skin dryness or cracking
<b>R41</b>	Risk of serious damage to eyes
<b>R51/53</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<b>R67</b>	Vapours may cause drowsiness and dizziness
<b>R50/53</b>	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<b>Hazard Statements in Full</b>	
<b>H319</b>	Causes serious eye irritation
<b>H315</b>	Causes skin irritation
<b>H226</b>	Flammable liquid and vapour
<b>H332</b>	Harmful in contact with skin
<b>H312</b>	Harmful if inhaled
<b>H260</b>	In contact with water releases flammable gases which may ignite spontaneously
<b>H304</b>	May be fatal if swallowed and enters airways
<b>H335</b>	May cause respiratory irritation
<b>H410</b>	Very toxic to aquatic life with long lasting effects
<b>H400</b>	Very toxic to aquatic life

### **DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.