

MATERIAL SAFETY DATA SHEET FOR BOSS ZINC GALVANISED PAINT



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product type:	Zinc Galv Paint
Intended use:	Zinc Galv Paint is intended as a repair coating for newly galvanised metal. The coating can be applied to bear metal/welded metal or slightly corroded metal. The coating is very fast drying thus improving job times and finish. Several light coats are advised and give better performance over one heavy coat. Matched to the colour of new galvanised surfaces the product is ideal for security railings/roller shutter doors and duct work. Do not apply to the inside of water storage containers. This product contains Zinc/Aluminium Fillers/Solvents and Surfactants. IT IS NOT TO BE USED ON FOOD SURFACES.
Trade Name:	BOSS Zinc Galvanised Paint
Supplier of product:	The BSS Group plc
Registered Office:	Fleet House, Lee Circle, Leicester, LE1 3QQ
Telephone/Fax Numbers:	0116 262 3232 / 0116 253 1343
E-mail Address	reception@bssgroup.com
Web site Address	www.bss-group.co.uk

2. HAZARD IDENTIFICATION

Extremely flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Ingredients:	CAS No.:	EINECS NR.:	CLASSIFICATION:
Xylene	1330-20-7	215-535-7	XN R-10, 20/21, 38
Aluminium Powder	7429-90-5	-	F R-15, 17
Zinc Powder	-	-	-
Aliphatic Hydrocarbon	64742-88-7	265-191-7	XN, N R-10, 51/53, 65
Aromatic Solvent	64742-95-6	-	XN, N R-10, 20, 36/37/38, 51/53, 65
1-Methoxy-2-Propanol	107-98-2	203-539-1	-R-10
Butylacetate	123-86-4	204-658-1	- R-10, 66, 67
Acetone	67-64-1	200-662-2	X1, F R-11, 36, 66, 67
Isobutane	75-28-5	200-857-2	FX R-12
Butane	106-97-8	203-448-7	FX R-12
Propane	74-98-6	200-827-9	FX R-12

The full text for all R-Phrases are displayed in Section 16.

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4. FIRST AID MEASURES

General:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation:	Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.
Ingestion:	DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
Skin Contact:	Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Use: Powder. Dry chemicals, sand, dolomite etc. water spray, fog or mist.
Special Fire Fighting Procedures:	Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.
Unusual Fire and Explosion Hazard:	Aerosol cans may explode in fires.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean Up Methods:	Put leaking cans into a bucket. Wear necessary protection equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.
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7. HANDLING AND STORAGE:

Usage precautions:	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.			
Storage precautions:	Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.			
Ingredients:	CAS No	STD	LT EXP	ST EXP
			(8 hrs)	(15 min)
Butylacetate	123-86-4	OES	150 ppm	200 ppm
Xylene	1330-20-7	OES	50 ppm (Sk)	100 ppm (Sk)
Aluminium Powder	7429-90-5		10 mg/m ³	No Std
1-Methoxy – 2-Propanol	107-98-2	OES	100 ppm (Sk)	150 ppm (Sk)
Acetone	67-64-1	OES	500 ppm	1500 ppm
Butane	106-97-8	OES	600ppm	750 ppm
Propane	74-98-6		Asphyxiating	Asphyxiating

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Comments:	OES = Occupational Exposure Standard. ST EXP = Short Term Exposure
Ventilation:	Provide adequate general and local exhaust ventilation.
Respirators:	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Use chemical cartridge protection with appropriate cartridge.
Protective Gloves:	Protective gloves are advised.
Eye Protection:	Use approved safety goggles or face shield.
Other Protection:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygienic Work Routines:	DO NOT SMOKE IN WORK AREA. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly wash that becomes contaminated. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material. If working with this product in exterior locations care must be taken to avoid wind blown spray.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aerosol
Colour:	Silver/Grey Metallic Finish
Odour:	Characteristic
Flammability Limited (Lower %)	0.8
Flammability Limited (Upper %)	13.0

10. STABILITY AND REACTIVITY

Stability:	Normally stable.
Conditions to Avoid:	Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidizing agents. Strong alkalis. Strong mineral acids.
Hazardous Decomposition Products:	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ²).

11. TOXICOLOGICAL INFORMATION

Inhalation:	May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.
Ingestion:	May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
Eye Contact:	Irritating to eyes May cause chemical eye burns.
Route of entry:	Inhalation Skin and/or eye contact

12. ECOLOGICAL INFORMATION

Ecological Information:	Dangerous for the environment if discharged into watercourses
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13. DISPOSAL CONSIDERATIONS

Disposal Methods:	Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.
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14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:	FLAMMABLE GAS
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UN No. Road:	1950
UK Road Transport Class:	2.1
UK Road Pack Gr:	Not applicable
ADR Class No:	2.1
ADR Class:	Division 2.1 : Flammable gases.
ADR Item No:	5F
ADR Marginal:	2201
ADR Lable No:	2.1
CEFIC TEC(R) No:	20G53
Proper Shipping Name 1:	AEROSOLS
RID Class No:	2.1
RID Item No.:	5F
UN No. Sea	1950
IMDG Class:	2.1
IMDG Pack Gr:	Not Applicable
EmS No:	2.13
MFAG Table No:	See Guide
Marine Pollutant:	No
UN NO. Air:	1950
ICAO Class:	2.1
Air Pack Gr:	Not Applicable

15. REGULATORY INFORMATION

Label for Supply:	EXTREMELY FLAMMABLE
Risk Phrases:	R12 Extremely Flammable R-36 Irritating to eyes R-66 Repeated exposure may cause skin dryness or cracking R-67 Vapours may cause drowsiness and dizziness
Safety Phrases:	S-16 Keep away from sources of ignition - No Smoking S-2 Keep out of reach of children S-23C Do not breathe vapour/spray S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-37 Wear suitable gloves S-51 Use only in well ventilated areas

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15. REGULATORY INFORMATION (cont)

UK Regulatory References:	The Chemicals (Hazard Information & Packing for Supply) Regulations 2002. The Control of Substances Hazardous to Health Regulations 2002.
Statutory Instruments:	Control of Substances Hazardous to Health Regulations 2002. The Chemicals (Hazard Information & Packing for Supply) Regulations 2002.
Approved Code of Practice:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes:	Occupational Exposure Limited EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG (108).

16. OTHER INFORMATION

Risk Phrases apply to bulk raw materials.

Risk Phrases (Full Text):	R-10 R-66 R-67 R-20/21 R-15 R-17 R-51/53 R-65 R-20 R-36/37/38 R-11 R-36 R12	Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Harmful by inhalation and in contact with skin. Contact with water liberates extremely flammable gases. Spontaneously flammable in air. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful, may cause lung damage if swallowed. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Highly flammable. Irritating to eyes. Extremely flammable
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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.