

# MATERIAL SAFETY DATA SHEET FOR BOSS RED OXIDE PRIMER SPRAY



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

<b>Product type:</b>	Primer for Steel
<b>Intended use:</b>	Corrosion protection of bare metal surfaces
<b>Trade Name:</b>	BOSS Red Oxide Primer Spray
<b>Supplier of product:</b>	The BSS Group plc
<b>Registered Office:</b>	Fleet House, Lee Circle, Leicester, LE1 3QQ
<b>Telephone/Fax Numbers:</b>	0116 262 3232 / 0116 253 1343
<b>E-mail Address</b>	reception@bssgroup.com
<b>Web site Address</b>	www.bss-group.co.uk

## 2. HAZARD IDENTIFICATION

<b>Eye contact</b>	Product may cause eye irritation if product comes into physical contact with eyes
<b>Skin contact:</b>	Slight skin irritant. Prolonged or repeated contact may cause drying or defatting of skin.
<b>Inhalation:</b>	High levels of vapour/mist may cause dizziness. Can cause irritation of the respiratory tract.
<b>Ingestion:</b>	Accidental ingestion is an unlikely event.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS.

<b>Ingredients:</b>	<b>CAS NO: (class)</b>	<b>Health (R No)</b>	<b>Risk</b>
Xylene, mixture of isomers	1330-20-7	Xn	20/21-38
Acetone	67-64-1	None	None
Acrylic resin	-	-	-
Wetting agents and plasticisers	-	-	-
Fillers and viscosity control compounds	-	-	-
Pigments	-	-	-
Butane	106-97-8	None	None
Propane	74-98-6	None	None

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## 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice
<b>Skin Contact:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. DO NOT use solvents or thinners. If in doubt, seek medical advice.
<b>Inhalation:</b>	Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
<b>Ingestion:</b>	If accidentally swallowed, obtain immediate medical attention. Keep at rest. DO NOT INDUCE VOMITING

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Alcohol resistant foam/CO <sub>2</sub> /powder/water spray/mist. DO NOT USE WATER JET.
<b>Special fire fighting procedures:</b>	Fire exposed containers should be sprayed with water to lessen risk of explosion
<b>Unusual fire and explosion hazards:</b>	Fire will produce dense black smoke containing combustion products which may be a health hazard. Appropriate self-contained breathing apparatus may be required. RUN OFF FROM FIRE MUST NOT ENTER DRAINS

## 6. ACCIDENTAL RELEASE MEASURES

<b>Procedure for leaks or spillage:</b>	Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Section 7 and 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with waste regulations (see Section 13). DO NOT ALLOW TO ENTER DRAINS OR WATER COURSES. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.
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## 7. HANDLING AND STORAGE:

<b>Handling:</b>	Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. DO NOT USE ON AN ENGINE WHILST IT IS RUNNING. Use only in areas from which all sources of heat, sparks and open flame have been excluded. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of use and storage. READ DIRECTIONS FOR USE PRINTED ON EACH UNIT OF ISSUE.
<b>Storage precautions:</b>	Store below 50°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. NO SMOKING. Observe the label precautions. Store separately from strong oxidising agents and strongly alkaline and strongly acidic materials.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ingredient Name:</b>	OES/MEL	8HR TWA	10 MIN STEL
<b>Xylene, mixture of isomers</b>	OES	100 ppm	150 ppm (sk)
<b>Acetone</b>	OES	750 ppm	1500 ppm
<b>1-Methoxy-2-Propanol</b>	OES	100 ppm	300 ppm (sk)
<b>Butane</b>	OES	600 ppm	750 ppm

<b>Engineering Measures:</b>	Provide adequate ventilation to maintain the flammable vapour concentration well below the lower explosion limit (LEL) and ensure the airborne concentration of substances to which an OES has been assigned is below that OES (Occupational Exposure Standard).
<b>Respiratory Protection:</b>	Under normal workshop conditions no respiratory equipment is required. Air-fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and measures cannot be reasonably improved
<b>Hand Protection:</b>	Hand protection is not specified for product use in aerosol form. However, barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.
<b>Eye Protection:</b>	Eye protection is not specified for product use in aerosol form. However bulk application by spray gun or powered system should be carried out by operators wearing appropriate eye protection.
<b>Skin Protection:</b>	Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol 400ml
Appearance:	Red
Odour:	Hydrocarbon/pleasant odour
pH:	Not applicable
Boiling point/Boiling range:	55°C
Melting point/melting range:	N/A
Flammability:	LEL 0.8 (% Vol. in Air at 25°C) UEL 13.0
Autoflammability:	>250°C
Explosive properties:	None
Oxidising properties:	None
Can pressure :	2.75 Bar
Relative density:	Not applicable
VOC content:	65g/100ml
Solubility (water):	Insoluble
Solubility (solvent):	Soluble in aliphatic hydrocarbons

## 10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Naked flames, red hot surfaces, other high temperature sources
Incompatibility (materials to avoid):	Oxidising agents, strong acids, strong alkalis
Hazardous decomposition products:	In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produces.

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## 11. TOXICOLOGICAL INFORMATION

<b>INGREDIENT:</b>	LD50 (Animal/Oral)
<b>Xylene, mixture of isomers</b>	4.3g/Kg (Rat)
<b>Acetone</b>	9.7g/Kg (Rat)

There is no data available on the specific product itself.

Exposure to organic solvent vapours may result in adverse health effects on the renal and central nervous systems. Symptoms can include: headache, dizziness, fatigue, muscular weakness, drowsiness, in extreme cases, loss of consciousness.

Splashes in the eyes may cause irritation and reversible local damage.

Xylene vapour in high concentrations can cause intoxication, headache, nausea and in extreme cases coma.

Ingestion may cause irritation of mouth, throat and digestive tract causing vomiting and abdominal pain.

Significant absorption can cause sleepiness and pulmonary oedema.

Acetone may produce conjunctival irritation and corneal damage. Skin is unlikely to be irritated on brief or occasional exposure, prolonged contact may produce irritation and dermatitis.

Inhalation of high concentrations of oil mist may produce local irritation of the respiratory tract or systemic effects from absorption into the blood stream.

Ingestion may produce irritation of the mouth the intestinal tract or systemic effects from absorption into the blood stream.

## 12. ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

Xylene is likely to bio-accumulate, but with short retention with the order of a week or less. It is likely to be moderately toxic to aquatic organisms and it will biodegrade although it will float on water and evaporate slowly.

## 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act.

Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.

## 14. TRANSPORT INFORMATION

CCCN:	3208 20 90
UN NO:	1950
IMDG:	9022
CLASS:	2 (AEROSOLS)

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## 15. REGULATORY INFORMATION

<b>Label for supply:</b>	EXTREMELY FLAMMABLE
<b>Risk Phrases:</b>	None
<b>Safety Phrases:</b>	2 Keep out of the reach of children 23 Do not breath vapour/ spray 46 If swallowed seek medical advice immediately and show this container or label. 51 Use only in well-ventilated areas
<b>Regulatory references:</b>	The Chemicals (Hazard Information and Packaging) Regulations 1993

## 16. OTHER INFORMATION

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

OES/MEL values are obtained from the current issue of EH40 unless indicated thus (Sup) when a value has been obtained from the supplier.

FURTHER INFORMATION AND ADVICE CAN BE FOUND IN THE FOLLOWING PUBLICATIONS:

The control of substances hazardous to health regulations 1988 (SI 1988 1657)

Storage of packed dangerous substances HS(G)71.

The environmental protection (duty of care) regulations 1992 (SI 1992 2839)

The highly flammable liquids and liquified petroleum gases regulations 1972 (SI 1972 917)

Storage of flammable liquids in containers HS(G)51.

This product should be stored, handled and used in the accordance with good industrial hygiene practices and in conformity with legal regulations, the information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

### 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.**