

# MATERIAL SAFETY DATA SHEET FOR BOSS RED OXIDE PRIMER



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

<b>Product type:</b>	Paint
<b>Intended use:</b>	Primer for Steel Brush or Spray Applications
<b>Trade Name:</b>	BOSS Red Oxide Primer
<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>	<a href="mailto:reception@bssgroup.com">reception@bssgroup.com</a>
<b>Web site Address</b>	<a href="http://www.bss-group.co.uk">www.bss-group.co.uk</a>

## 2. HAZARD IDENTIFICATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Flammable	
<b>Classification:</b>	N;R51/53. R66, R10

## 3. COMPOSITION/INFORMATION ON INGREDIENTS.

<b>Name:</b>	<b>EC No</b>	<b>CAS No</b>	<b>Content (%)</b>	<b>Classification</b>
<b>1,2,4-Trimethylbenzene</b>	202-436-9	95-63-6	<1%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
<b>Calcium Carbonate</b>		1317-65-3	10-30%	-
<b>Ethyl Methyl Ketoxime</b>	202-496-6	96-29-7	<1%	Carc. Cat. 3;R40 Xn;R21 R43 Xi;R41
<b>Naphtha (Petroleum), Hydrodesulfurized Heavy; Low Boiling Point HYD</b>	265-185-4	64742-82-1	30-60%	Xn;R65. N;R51/53. R10,R66
<b>Propan-2-Ol</b>	200-661-7	67-63-0	<1%	F;R11 Xi;R36 R37
<b>Solvent Naphtha (Petroleum), Light Arom.; Low Boiling Point Naphtha</b>	265-199-0	64742-95-6	<1%	Xn;R65. N;R51/53. R66,R67,R10
<b>Trizinc Bis(Orthophosphate)</b>	231-944-3	7779-90-0	10-30%	N;R50/53
(*) For Full Text see Section 16				

## MATERIAL SAFETY DATA SHEET FOR BOSS RED OXIDE PRIMER

### 4. FIRST AID MEASURES

<b>General:</b>	Keep the affected person warm and at rest. Get prompt medical attention. Do not give victim anything to drink if they are unconscious.
<b>Inhalation:</b>	Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. If breathing stops, provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing.
<b>Ingestion:</b>	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! DO NOT induce vomiting. Get immediate medical attention. Provide rest, warmth and fresh air.
<b>Skin Contact:</b>	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and was as above. Do NOT use solvent thinners.
<b>Eye Contact:</b>	Make sure to remove contact lenses from the eyes before rinsing. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention immediately. Continue to rinse.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	
<b>Fire can be extinguished using:</b>	Extinguishing with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special Fire Fighting Procedures:</b>	Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk. If risk of water pollution occurs, notify appropriate authorities.
<b>Unusual Fire &amp; Explosion Hazards:</b>	May explode in a fire. May travel considerable distance to source of ignition and flash back.
<b>Specific Hazards:</b>	By fire, toxic gases may be formed (Cox, NOx)

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Wear protective clothing as described in Section 8 of this safety data sheet
<b>Spill Clean Up Methods:</b>	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Keep combustibles away from spilled material. Provide ventilation and confine spills. Do not allow runoff to sewer. Wash thoroughly after deal dealing with a spillage. Inform Authorities if large amounts are involved. Absorb with inert, damp, non-combustible material, the flush area with water.

## MATERIAL SAFETY DATA SHEET FOR BOSS RED OXIDE PRIMER



### 7. HANDLING AND STORAGE:

<b>Usage Precautions:</b>	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. Wear full protective clothing for prolonged exposure and/or high concentrations. Vapours are heavier than air and may spread near ground to source of ignition. The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Use engineering controls to reduce air contamination to permissible exposure level. Use explosion proof electric equipment.
<b>Usage Description:</b>	Avoid inhalation of vapours and contact with skin and eyes. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.
<b>Storage:</b>	Store in tightly closed container in dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 25°C. Store away from Acids, Oxidising material, Alkalies.
<b>Storage Class:</b>	Chemical storage

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA – 8 hrs		STEL – 15min		Notes
Calcium Carbonate	MEL		.1 mg/m <sup>3</sup>			
Propan-2-Ol	WEL	400 ppm	999 mg/m <sup>3</sup>	500 ppm	1250 mg/m <sup>3</sup>	

WEL – Workplace Exposure Limit

<b>Ingredient Comments:</b>	WEL – Workplace Exposure Limits	
<b>Protective Equipment:</b>		
<b>Process Conditions:</b>	Provide eyewash station	
<b>Engineering Measures:</b>	Provide adequate general and local exhaust ventilation	
<b>Respiratory Protection:</b>	No specific recommendations made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. If ventilation is insufficient, suitable respiratory protection must be provided.	
<b>Hand Protection:</b>	Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Nitrile	
<b>Eye Protection:</b>	Wear approved chemical safety goggles where eye exposure is reasonable probable.	
<b>Hygiene Measures:</b>	Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke. <b>DO NOT SMOKE IN WORK AREA!</b> Use appropriate hand lotion to prevent defatting and cracking of skin.	
<b>Skin Protection:</b>	Wear apron or protective clothing in case of splashes	

# MATERIAL SAFETY DATA SHEET FOR BOSS RED OXIDE PRIMER

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Coloured liquid		
<b>Colour:</b>	Red brown		
<b>Odour:</b>	Aliphatic Hydrocarbon		
<b>Solubility:</b>	Immiscible with water		
<b>Boiling Point (0°C):</b>	152 760 mm Hg	Relative Density	1.22 20 Deg C
<b>Vapour Density (air=1):</b>	> 1.0	Vapour Pressure	3.1 mm Hg 20 Deg C
<b>Viscosity:</b>	3.0-3.2 Deg C	Flash Point (°C)	>32 Deg C Sh CC (setaflash closed cup)
<b>Volatile Organic Compound (VOC):</b>	476 g/litre		

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal temperature conditions and recommended use.
<b>Conditions to Avoid:</b>	Avoid heat, flames and other sources of ignition
<b>Materials to Avoid:</b>	Strong oxidising substances. Acids – organic. Strong alkalis
<b>Hazardous Decomposition Products:</b>	By fire, toxic gases (CO, CO <sub>2</sub> , NO <sub>x</sub> ) may be formed.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	Harmful by inhalation. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion:</b>	Harmful if swallowed
<b>Skin Contact:</b>	Product has a defatting effect on skin. Prolonged contact may cause redness, irritation and dry skin.
<b>Eye Contact:</b>	Irritation of eyes and mucous membranes
<b>Health Warnings:</b>	Swallowing concentrated chemical may cause severe internal injury
<b>Medical Symptoms:</b>	Upper respiratory irritation. Nausea, vomiting. Allergic rash
<b>Medical Considerations:</b>	Skin disorders and allergies

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.
<b>Mobility:</b>	The product is insoluble in water and will spread on the water surface
<b>Degradability:</b>	The product is biodegradable

## 13. DISPOSAL CONSIDERATIONS

<b>General Information:</b>	Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.
<b>Disposal Methods:</b>	Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand, dispose in licensed hazardous waste.

# MATERIAL SAFETY DATA SHEET FOR BOSS RED OXIDE PRIMER

## 14. TRANSPORT INFORMATION



<b>Proper Shipping Name:</b>	PAINT		
<b>UN Number:</b>	1263	<b>ADR Class No:</b>	3
<b>ADR Class:</b>	Class 3: Flammable liquids	<b>ADR Pack Group:</b>	III
<b>IMDG Class</b>	3.3	<b>IMDG Pack Gr.</b>	III
<b>Marine Pollutant</b>			

## 15. REGULATORY INFORMATION

<b>Labelling:</b>		
<b>Risk Phrases:</b>	R10	Flammable
	R51/53	Toxic to aquatic organisms, may cause long-term adverse affects in the aquatic environment
	R66	Repeated exposure may cause skin dryness or cracking
<b>Safety Phrases:</b>	S29/56	Do not empty into drains; dispose of this material and it's container at hazardous or special waste collection point
	S37	Wear suitable gloves
	S43	In case of fire, use alcohol-resistant foam, carbon dioxide or dry powder. Never use water
	S46	If swallowed, seek medical advice immediately and show this container or label
	S51	Use only in well ventilated areas
	S61	Avoid release to the environment. Refer to special instructions/Safety data sheet
	P14	Contains ETHYL METHYL KETOXIME. May produce an allergic reaction

# MATERIAL SAFETY DATA SHEET FOR BOSS RED OXIDE PRIMER

## 16. OTHER INFORMATION

<b>R Phrases in Full</b>	
<b>NC</b>	Not classified
<b>R10</b>	Flammable
<b>R11</b>	Highly flammable
<b>R20</b>	Harmful by inhalation
<b>R21</b>	Harmful in contact with skin
<b>R36</b>	Irritating to eyes
<b>R36/37/38</b>	Irritating to eyes, respiratory system and skin
<b>R40</b>	Limited evidence of carcinogenic effect
<b>R41</b>	Risk of serious damage to eyes
<b>R43</b>	May cause sensitisation by skin contact
<b>R50/53</b>	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<b>R51/53</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<b>R65</b>	Harmful: may cause lung damage if swallowed
<b>R66</b>	Repeated exposure may cause skin dryness or cracking
<b>R67</b>	Vapours may cause drowsiness and dizziness

### 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.