



Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : BOSS RED OXIDE ANTI-RUST PRIMER
Ref.Nr.: BDS002462_3_20200714 (EN)

Creation Date : 14.07.20
Revision Date : 08.07.22

Version : 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

BOSS RED OXIDE ANTI-RUST PRIMER
Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

Paints

1.3. Details of the supplier of the safety data sheet

BSS Industrial
Boss Court
7 Barton Close
Grove Park
Leicester
LE19 1SJ
+44 (0)116 242 7800
enquiries@bssgroup.com

1.4. Emergency telephone number

Emergency Telephone Number - +44 (0)116 245 5500 (8:30am - 5:00pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical: Aerosols, category 1

Extremely flammable aerosol.
Pressurised container: May burst if heated.

Classification is based on test data.

Health: Eye irritation, category 2

Causes serious eye irritation.
Specific target organ toxicity - single exposure, category 3
May cause drowsiness or dizziness.

Classification based on calculation method.

Environment: Hazardous to the aquatic environment, chronic category 3

Harmful to aquatic life with long lasting effects.

Classification based on calculation method.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:

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acetone; propan-2-one; propanone
n-butyl acetate



Hazard pictogram(s):

Signal word: Danger

Hazard statement(s): H222 : Extremely flammable aerosol.

H229 : Pressurised container: May burst if heated.

H319 : Causes serious eye irritation.

H336 : May cause drowsiness or dizziness.

H412 : Harmful to aquatic life with long lasting effects.

Precautionary statement(s): P102 : Keep out of reach of children.

P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 : Do not spray on an open flame or other ignition source.

P251 : Do not pierce or burn, even after use.

P260 : Do not breathe dust/fume/gas/mist/vapours/spray.

P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501-2 : Dispose of contents/container to an authorised waste collection point.

Supplemental Hazard

information: Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	Registration number	CAS nr.	EC nr	w/w %	Hazard Class and Category	Hazard statement	Notes
acetone; propan-2-one; propanone	01 - 21194713 30-49	67-64- 1	200- 662- 2	25- 50	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	A
butane (<= 0,1 % butadiene)	01- 21194746 91-32	106- 97-8	203- 448- 7		5-10 Flam. Gas 1, Press. Gas H220,H280		K
Cellulose nitrate		9004- 70- 0	-	2.5- 5	Flam. Sol. 1	H228	



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isobutane	01-211948539 5-27	75-28- 5	200-857-2	2.5-5	Flam. Gas 1, Press. Gas		K
n-butyl acetate	01-	123-	204-	10-	Flam. Liq. 3, STOT SE 3		
	21194854 93-29	86-4	658-1	12.5			
propane	01-21194869 44-21	74-98- 6	200-827-9	10-12.5	Flam. Gas 1, Press. Gas		B
reaction mass of ethylbenzene and xylene	01-2119488 2216- 32	-		<2.5	Flam. Liq. 3, STOT RE 2, Asp. Tox. 1, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3	H226,H373,H304,H312,H332, H315,H319,H335	
2-methoxy-1-methylethyl acetate	01-21194757 91-29	108-65-6	203-603-9	<2.5	Flam. Liq. 3, STOT SE 3		A
ethanol; ethyl alcohol	01-21194576 10-43	64-17- 5	200-578-6	<2.5	Flam. Liq. 2, Eye Irrit. 2	H225,H319	B,X, W
trizinc bis(orthophosphate)	01-21194850 44-40	7779-90-0	231-944-3	<2.5	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	
Explanation notes							
A : substance with Community workplace exposure limit							
B : substance with national established workplace exposure limit							
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)							
W : Note: substance mentioned on the list of CMR-substances of the Dutch Ministry of Social Affairs and Employment (SZW)							
X : SCL (specific concentration limit)in accordance with art.10 of CLP Regulation No 1272/2008							

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Contact with skin : Take off contaminated clothing and wash before reuse.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON



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CENTER or doctor/physician if you feel unwell.

Ingestion : If swallowed accidentally, do not induce vomiting and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation : Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Ingestion : May cause gastrointestinal disturbances

Symptoms : sore throat, abdominal pain, nausea, vomiting

Skin contact : May cause irritation.

Symptoms : redness and pain

Eye contact : Irritating to eyes

Symptoms : redness and pain

4.3. Indication of any immediate medical attention and special treatment needed

General Advice : If you feel unwell, seek medical advice (show the label where possible If symptoms persist always call a doctor)

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products
CO,CO₂

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up



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Absorb spillage in suitable inert material
Place in appropriate container

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use only non-sparking tools.
Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.
Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep out of reach of children.

7.3. Specific end use(s)

Paints

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient CAS-nr. method			
EU established exposure limits:			
2-methoxy-1-methylethyl acetate	108-65-6 TWA	50 ppm	
		STEL	100 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm
National established exposure limits, United Kingdom			
butane (<= 0,1 % butadiene)	106-97-8 TWA	600 ppm	



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		STEL	750 ppm	
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm	
		STEL	100 ppm	
n-butyl acetate	123-86-4	TWA	150 ppm	
		STEL	200 ppm	
ethanol; ethyl alcohol	64-17-5	TWA	1000 ppm	
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm	
		STEL	1500 ppm	
National established exposure limits, Ireland				
butane (<= 0,1 % butadiene)	106-97-8 TWA 1000 ppm			
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm	
		STEL	100 ppm	
n-butyl acetate	123-86-4	TWA	150 ppm	
		STEL	200 ppm	
ethanol; ethyl alcohol	64-17-5	STEL	1000 ppm	
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm	
		STEL	-	
propane	74-98-6	TWA	1000 ppm	

8.2. Exposure controls

Control procedures : Ensure adequate ventilation

Keep away from heat and sources of ignition

Take precautionary measures against static discharges

Personal protection : Take precautions to avoid contact with skin and eyes when handling the product.

Ensure adequate ventilation

Wear suitable protective gloves

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment. recommended respiratory protection: (filter AXP2)

hands and skin : When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.

Recommended gloves: (butyl rubber)

eyes : Wear safety eyewear according to EN 166.

Environmental protection: Avoid release to the environment.



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Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Appearance : physical state : Propane/butane propelled liquid.

colour : Red.

odour : Characteristic odor.

pH : Not applicable.

Boiling point/range : Not available.

Flash point : Not applicable.

Evaporation rate : Not available.

Explosion limits : upper limit : 13.0 %

lower limit : 1.2 %

Vapour pressure : 830 kPa (@ 20°C).

Relative density : 0.8 g/cm³ (@ 20°C).

Solubility in water : Insoluble in water

Auto-ignition : 365 °C

Viscosity : Not available.

9.2. Other information

VOC = volatile organic

compounds 687 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products



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CO,CO2

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity: based on available data the classification criteria are not met **skin corrosion/irritation:** based on available data the classification criteria are not met **serious eye damage/irritation:** Causes serious eye irritation.
respiratory or skin

sensitisation: based on available data the classification criteria are not met **germ cell mutagenicity:** based on available data the classification criteria are not met **carcinogenicity:** based on available data the classification criteria are not met **toxicity for reproduction:** based on available data the classification criteria are not met **STOT-single exposure:** May cause drowsiness or dizziness.

STOT repeated exposure: based on available data the classification criteria are not met **aspiration hazard:** based on available data the classification criteria are not met

Information on likely routes of exposure:

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness **Ingestion :** May cause gastrointestinal disturbances

Skin contact : May cause irritation.

Eye contact : Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method		
2-methoxy-1-methylethyl acetate	108-65-6	LD50 oral rat	> 5000 mg/kg	
		LC50 inhal.rat	10.8 mg/l	
		LD50 derm.rat	> 5000 mg/kg	
		LD50 derm.rabit	> 5000 mg/kg	
n-butyl acetate	123-86-4	LD50 oral rat	10760 mg/kg	
		LC50 inhal.rat	> 20 mg/l	
		LD50 derm.rabit	> 1400 mg/kg	
ethanol; ethyl alcohol	64-17-5	LD50 oral rat	> 2000 mg/kg	
		LD50 derm.rabit	> 2000 mg/kg	
acetone; propan-2-one; propanone	67-64-1	LD50 oral rat	> 5800 mg/kg	
		LC50 inhal.rat	76 mg/l	
		LD50 derm.rabit	> 15800 mg/kg	



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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 3
Harmful to aquatic life with long lasting effects.

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method		
2-methoxy-1-methylethyl acetate	108-65-6	LC50 fish	100-180 mg/l	
		EC50 daphnia	> 400 mg/l	
n-butyl acetate	123-86-4	IC50 algae	647 mg/l	
		LC50 fish	18 mg/l	
		EC50 daphnia	44 mg/l	
ethanol; ethyl alcohol	64-17-5	LC50 fish	> 100 mg/l	
acetone; propan-2-one; propanone	67-64-1	IC50 algae	530 mg/l	
		LC50 fish	5540 mg/l	
		EC50 daphnia	8800 mg/l	

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

No experimental data available

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No experimental data available
GWP (global warming potential): 1



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : 15 01 00, 15 01 04

Contaminated packaging : 08 01 00, 08 01 11

National regulations : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name: AEROSOLS

14.3. Transport hazard class(es)

Class: 2.1

ADR/RID - Classification code: 5F

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally

hazardous: No

IMDG - Marine pollutant: No

IATA/ICAO - Environmentally

hazardous: No

14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)

IMDG - Ems: F-D, S-U

IATA/ICAO - PAX: 203

IATA/ICAO - CAO: 203

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.



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SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: H220 : Extremely flammable gas.
H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H228 : Flammable solid.
H280 : Contains gas under pressure; may explode if heated.
H304 : May be fatal if swallowed and enters airways.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H373 : May cause damage to organs through prolonged or repeated exposure .
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

acronyms and synonyms: TWA = time weight average
STEL = short time exposure limit
VOC = volatile organic compounds
PBT = persistent bioaccumulative toxic
vPvB = very persistent very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission.