



Safety Data Sheet
Regulation EC No 1907/2006 Art.31

Product Name: BOSS BRIGHT SILVER GALVA PAINT
Ref.Nr.: BDS002623_3_20200731 (EN)

Creation Date: 31.07.20
Revision Date: 08.07.22

Version : 1.0

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

1.1. Product identifier

BOSS BRIGHT SILVER GALVA PAINT
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



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Product identifier: Contains: acetone; propan-2-one; propanone n-butyl acetate 1-methoxy-2-propanol; monopropylene glycol methyl ether

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.

P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 : Use only outdoors or in a well-ventilated area.

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. **Dir. 2004/42/EC**

on the limitation of emissions of volatile organic

compounds (VOC) of organic solvents in certain paints and varnishes and vehicle refinishing products

2.3. Other hazards

No information available

SECTION 3: Composition/information on Ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Cat.II B (e) - VOC max. 840 g/l



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Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
dimethyl ether	01- 2119472128-37	115- 10-6	204- 065-8	50-75	Flam. Gas 1, Press. Gas	H220,H280	A
acetone; propan-2-one; propanone	01- 2119471330-49	67-64- 1	200- 662-2	10-25	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	A
n-butyl acetate	01- 2119485493-29	123- 86-4	204- 658-1	5-10	Flam. Liq. 3, STOT SE 3	H226,H336	
1-methoxy-2-propanol; monopropylene glycol methyl ether	01- 2119457435-35	107- 98-2	203- 539-1	1-5	Flam. Liq. 3, STOT SE 3	H226,H336	A
zinc oxide	2119463881-32	1314- 13-2	215- 222-5	0-1	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	B
aluminium powder (stabilized)	01- 2119529243-45	7429- 90-5	231- 072-3	0-1	Water-react. 2, Flam. Sol. 1	H261,H228	A
Hydrocarbons, C9, aromatics	01- 2119455851-35	-	(918-668-5)	0-1	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H226,H335,H336,H304, H411	Q
Hydrocarbons, C9-C11, n alkanes, isoalkanes, cyclics, < 2% aromatics	01- 2119463258-33	-	(919- 857-5)	0-1	Flam. Liq. 3, Asp. Tox. 1, STOT SE 3	H226,H304,H336	B,Q
Explanation notes							
A : substance with Community workplace exposure limit							
B : substance with national established workplace exposure limit							
Q : The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries.							

(* Explanation phrases : see chapter 16)



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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 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



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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

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



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm
National established exposure limits, United Kingdom			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
n-butyl acetate	123-86-4	TWA	150 ppm
		STEL	200 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm
		STEL	1500 ppm
National established exposure limits, Ireland			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
		STEL	-
n-butyl acetate	123-86-4	TWA	150 ppm
		STEL	200 ppm



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acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm	
		STEL	-	

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:

Air purifying respirator equipped with organic gas/vapor cartridge (type A) **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: Nitrile

Eyes : Wear safety eyewear according to EN 166.

Environmental protection: Avoid release to the environment.

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 : DME propelled liquid.

colour : Grey.

odour : Characteristic odor.

pH : Not applicable.

Boiling point/range : Not available.

Flash point : < 0 °C

Evaporation rate : Not available.

Explosion limits : upper limit : Not available.

lower limit : Not available.

Vapour pressure : Not available.

Relative density : 0.973 g/cm³ (@ 20°C).

Solubility in water : Insoluble in water

Auto-ignition : > 200 °C

Viscosity : Not available.

9.2. Other information

VOC = volatile organic



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compounds 685 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

CO,CO₂

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



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cause gastrointestinal disturbances

Skin contact : May cause irritation.

Eye contact : Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method		
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LD50 oral rat	4016 mg/kg	
		LC50 inhal.rat	27596 mg/l	
		LD50 derm.rabit	2000 mg/kg	
dimethyl ether	115-10-6	LC50 inhal.rat	309 mg/l	
n-butyl acetate	123-86-4	LD50 oral rat	10760 mg/kg	
		LC50 inhal.rat	> 20 mg/l	
		LD50 derm.rabit	> 1400 mg/kg	
zinc oxide	1314-13-2	LD50 oral rat	7950 mg/kg	
		LC50 inhal.rat	> 5.7 mg/l	
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	
Hydrocarbons, C9, aromatics	-	LD50 oral rat	3492 mg/kg	
		LC50 inhal.rat	> 6.393 mg/l	
		LD50 derm.rabit	> 3160 mg/kg	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	LD50 oral rat	>5000 mg/kg	
		LC50 inhal.rat	4951 mg/m3	
		LD50 derm.rabit	>5000 mg/kg	

SECTION 12: Ecological information

12.1. Toxicity



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

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method		
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LC50 fish	6812 mg/l	
		EC50 daphnia	23300 mg/l	
dimethyl ether	115-10-6	IC50 algae	154.9 mg/l	
		LC50 fish	4.1 mg/l	
		EC50 daphnia	4.4 mg/l	
n-butyl acetate	123-86-4	IC50 algae	647 mg/l	
		LC50 fish	18 mg/l	
		EC50 daphnia	44 mg/l	
zinc oxide	1314-13-2	IC50 algae	0.136 mg/l	
		LC50 fish	0.169 mg/l	
		EC50 daphnia	1.7 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

Insoluble in water



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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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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)



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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.

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.
H261 : In contact with water releases flammable gases.
H280 : Contains gas under pressure; may explode if heated.
H304 : May be fatal if swallowed and enters airways.
H319 : Causes serious eye irritation.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H411 : 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



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