

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 1 of 11

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

1.1. Product identifier

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Further trade names

JMC Steinschlag-Unterbodenschutz hellgrau 500 ml (JM-Nr. 555 00 17)

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

Use of the substance/mixture

SU21 Consumer uses: Private households (= general public = consumers)

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PC9a Coatings and paints, thinners, paint removers

PROC7 Industrial spraying

PROC11 Non industrial spraying

Corrosion inhibitor

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: Johannes J. Matthies GmbH & Co. KG
Street: Hammerbrookstr. 97
Place: D-20097 Hamburg
Telephone: + 49 (0) 40 2 37 21-0
e-mail: info@matthies.de
Internet: www.matthies.de

Supplier

Company name: Larsson UK Ltd.
Street: 7 Alpha Court, Phoenix Parkway
Place: GB-NN17 5DP Corby
Telephone: + 44 1536 265633
e-mail: info@larsson.uk.com
Internet: www.larsson.uk.com

1.4. Emergency telephone number:

+ 44 1536 265633

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Aerosol: Aerosol 1

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 2 of 11

Regulation (EC) No. 1272/2008

Hazard components for labelling

n-butyl acetate
acetone; propan-2-one; propanone
ethyl acetate
rosin; colophony

Signal word: Danger

Pictograms:



Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
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 Aerosol.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of waste according to applicable legislation.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment:

@ES04.B001378: not applicable

@ES04.B001379: not applicable

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 3 of 11

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
74-98-6	propane			12,5 - < 20 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Compressed gas; H220 H280			
123-86-4	n-butyl acetate			12,5 - < 20 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
67-64-1	acetone; propan-2-one; propanone			5 - < 10 %
	200-662-2	606-001-00-8	01-2119471330-49	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
106-97-8	butane			5 - < 10 %
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1, Compressed gas; H220 H280			
75-28-5	isobutane			5 - < 10 %
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1, Compressed gas; H220 H280			
141-78-6	ethyl acetate			5 - < 10 %
	205-500-4	607-022-00-5	01-2119475103-46	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics			2,5 - < 5 %
	920-750-0		01-2119473851-33	
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411			
	Hydrocarbons, C9, aromatics			2,5 - < 5 %
	918-668-5		01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411			
8050-09-7	rosin; colophony			2,5 - < 5 %
	232-475-7	650-015-00-7	01-2119480418-32	
	Skin Sens. 1; H317			
1330-20-7	xylene			< 2,5 %
	215-535-7	601-022-00-9	01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. If unconscious place in recovery position and seek medical advice.

After contact with skin

Wash with plenty of soap and water.

After contact with eyes

Rinse cautiously with water for several minutes.

After ingestion

Rinse mouth immediately and drink plenty of water. Provide fresh air. Call a physician immediately.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 4 of 11

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water mist ,Carbon dioxide (CO₂), Extinguishing powder.

In case of major fire and large quantities: Water spray jet, alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, toxic

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use suitable breathing apparatus. Use personal protection equipment. Remove persons to safety.

6.2. Environmental precautions

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Ventilate affected area.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure that the workplace is well ventilated/has an extractor system.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material.

Keep away from sources of ignition - No smoking.

Use appropriate respiratory protection.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Official regulations for the storage of aerosol dispensers must be observed.

Hints on joint storage

Not required.

Further information on storage conditions

Keep container tightly closed.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 5 of 11

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
8050-09-7	Rosin-based solder flux fume	-	0.05		TWA (8 h)	WEL
		-	0.15		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid (creatinine)	650 mmol/mol	urine	Post shift

Additional advice on limit values

The lists valid during compilation serve as a basis.

8.2. Exposure controls



Appropriate engineering controls

See section 7. Additional information on plant design:

Protective and hygiene measures

Keep away from food, drink and animal feedingstuffs.
Remove contaminated, saturated clothing immediately.
Wash hands before breaks and after work.
Do not breathe gas/vapour/aerosol.
Avoid contact with skin, eyes and clothes.

Eye/face protection

Suitable eye protection: Wear eye/face protection.

Hand protection

The required protective gloves have to be specified by the glove material and the penetration time of the glove material depending on strength and duration of dermal exposition.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

Use a respiratory filter unit in the event of brief or low exposure. A respirator with an independent oxygen supply must be used in the event of more intensive or longer exposure.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 6 of 11

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Aerosol
 Colour: black / grey
 Odour: like: @ES04.B002020

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined
 Initial boiling point and boiling range: not applicable
 Flash point: < 0 °C

Flammability

Solid: not applicable
 Gas: not applicable

Explosive properties

The product is not explosive, but explosive vapour/air mixtures may form.

Lower explosion limits: 1,2 vol. %
 Upper explosion limits: 10,9 vol. %
 Ignition temperature: 365 °C

Auto-ignition temperature

Solid: not applicable
 Gas: not applicable

Decomposition temperature: not determined

Vapour pressure: 3500 hPa

Density: 0,84 g/cm³

Water solubility: Immiscible or difficult to mix.

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent content: Organic solvents: 69,2%
 EU-VOC: 579,1 g/l, EU-VOC in %: 69,18 %

9.2. Other information

Solid content: 30,7%

Odour threshold: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 7 of 11

No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name	Exposure route	Dose	Species	Source
123-86-4	n-butyl acetate	oral	LD50 10800 mg/kg	Rat	
		dermal	LD50 > 17600 mg/kg	Rabbit	
		inhalation (4 h) vapour	LC50 > 21 mg/l	Rat	
67-64-1	acetone; propan-2-one; propanone	oral	LD50 5800 mg/kg	Rat	
		dermal	LD50 > 15800 mg/kg	Rabbit	
		inhalation (4 h) vapour	LC50 76 mg/l	Rat	
141-78-6	ethyl acetate	oral	LD50 > 18000 mg/kg	Rabbit	
		dermal	LD50 5620 mg/kg	Rat	
		inhalation (4 h) aerosol	LC50 1,6 mg/l	Rat	
	Hydrocarbons, C9, aromatics	oral	LD50 3592 mg/kg	Rat	
		dermal	LD50 3160 mg/kg	Rabbit	
1330-20-7	xylene	oral	LD50 3523 mg/kg	Rat	
		dermal	LD50 2000 mg/kg	Rabbit	
		inhalation (4 h) vapour	LC50 29 mg/l	Rat	
		inhalation aerosol	ATE 1,5 mg/l		

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (rosin; colophony)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (n-butyl acetate)

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 8 of 11

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50	8300 mg/l	96 h	Fisch	
	Acute algae toxicity	ErC50	7200 mg/l	96 h	Algen	
	Acute crustacea toxicity	EC50	8450 mg/l	48 h	Daphnia magna	
	Hydrocarbons, C9, aromatics					
	Acute fish toxicity	LC50	9,2 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	2,75 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	3,2 mg/l	48 h	Daphnia magna (Big water flea)	
1330-20-7	xylene					
	Acute fish toxicity	LC50	13,5 mg/l	96 h	Fisch	
	Acute crustacea toxicity	EC50	7,4 mg/l	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

Toxic to aquatic organisms. Toxic to fish.

Drinking water is already threatened by minor quantities seeping into the groundwater.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Should not be disposed of together with household waste. Do not allow to enter into surface water or drains.

List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 9 of 11

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Dispose of waste according to applicable legislation.

Pressurised container: May burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2.1



Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0
 Transport category: 2
 Tunnel restriction code: D

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 959
 Limited quantity: 1000 mL
 Excepted quantity: E0
 EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS, flammable
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: A145 A167 A802
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y203
 Excepted quantity: E0

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 10 of 11

IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: Gases (except aerosol dispensers and lighters)

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

EU regulatory information

2010/75/EU (VOC): 69,18 %
 Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
 ICAO: International Civil Aviation Organisation
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative

Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.
 H222 Extremely flammable aerosol.
 H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H229 Pressurised container: May burst if heated.
 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.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Steinschlag-Unterbodenschutz schwarz 500 ml

Print date: 02.07.2020

Product code: 5550015

Page 11 of 11

H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Identified uses

No	Short title	SU main	SU	PC	PROC	ERC	AC	Specification
1	SU21 Consumer uses: Private households (= general public = consumers)	21	21	-	-	-	-	
2	SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)	22, 22	22, 22	-	-	-	-	
3	ERC8d	-	-	-	-	8d, 8d	-	
4	PC9a Beschichtungen und Farben, Verdünner, Farbeentferner	-	-	9a	-	-	-	
5	PROC7 Industrial spraying	-	-	-	7, 7	-	-	
6	PROC11 Non industrial spraying	-	-	-	11, 11	-	-	
7	ERC8a	-	-	-	-	8a, 8a	-	

SU main: Main user groups

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)