

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Corrosion inhibitor additive 200 ml

Revision date: 07.08.2019

Product code: 7140037

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

1.1. Product identifier

JMC Corrosion inhibitor additive 200 ml

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

Use of the substance/mixture

Additive for petroleum products

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:

Aspiration hazard: Asp. Tox. 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1A

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.

Kerosine (petroleum), hydrodesulfurized

Naphtha (petroleum), hydrodesulphurized heavy
dicyclohexylamine

Signal word: Danger

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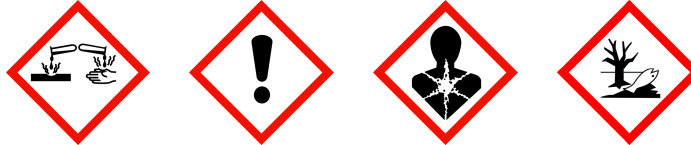
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Pictograms:**Hazard statements**

H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P391	Collect spillage.

2.3. Other hazards

@ES04.B001378: @1716.B170027

@ES04.B001379: @1716.B170027

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	Hydrocarbons, C10, aromatics, <1 % naphthalene			>=50-<70 %
	918-811-1		01-2119463583-34	
	STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H336 H304 H411 EUH066			
128-39-2	2,6-Di-tert-butylphenol			5-<10 %
	204-884-0		01-2119490822-33	
	Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H315 H400 H410			
64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.			>=5-<10 %
	265-198-5			
	STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H336 H304 H411 EUH066			
	Polyolefin alkyl phenol alkyl amine			>=5-<10 %
	Skin Irrit. 2; H315			
	Polyether polyol			>=5-<10 %
	Skin Irrit. 2; H315			
101-83-7	dicyclohexylamine			<5 %
	202-980-7	612-066-00-3		
	Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H311 H301 H314 H400 H410			
95-63-6	1,2,4-trimethylbenzene			<2,5 %
	202-436-9	601-043-00-3		
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2; H226 H332 H315 H319 H335 H411			
91-20-3	naphthalene			<2,5 %
	202-049-5	601-052-00-2		
	Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410			
27859-58-1	(Tetrapropylenyl) succinic acid			<0,5 %
	248-698-8			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1A, Aquatic Chronic 4; H315 H319 H317 H413			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off contaminated clothing and wash it before reuse. If unconscious place in recovery position and seek medical advice. Call a doctor if you feel unwell.

After inhalation

Provide fresh air. Remove victim out of the danger area.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids

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apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

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

Frequently or prolonged contact with skin may cause dermal irritation.

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

@1716.B170027

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Carbon dioxide (CO₂). Extinguishing powder.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon dioxide (CO₂). Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

5.3. Advice for firefighters

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

Cool container at risk with water spray jet.

Additional information

Move undamaged containers from immediate hazard area if it can be done safely. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Reference to other sections (7,8). Avoid contact with skin, eyes and clothes. Provide adequate ventilation.

Remove all sources of ignition. Use personal protection equipment.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Clear spills immediately. Disposal: see section 13

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 adequate ventilation of the storage area. If handled uncovered, arrangements with local exhaust ventilation have to be used. exceeding exposure limit values: Use appropriate respiratory protection.

Precautions for safe handling.

When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work.

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Advice on protection against fire and explosion

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Do not expose to temperatures above 50 °C. Ensure adequate ventilation of the storage area. Restrict access to stockrooms. Keep/Store only in original container.

Hints on joint storage

Keep away from: Strong acid. Strong alkali. Oxidising agent.

Further information on storage conditions

Protect against: heat.
Protect from sunlight.

7.3. Specific end use(s)

none

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
91-20-3	Naphthalene	10	50		TWA (8 h)	EU
95-63-6	Trimethylbenzenes: 1,2,4-Trimethylbenzene	25	125		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
	Hydrocarbons, C10, aromatics, <1 % naphthalene			
	Worker DNEL, long-term	dermal	systemic	12,5 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	151 mg/m ³
	Consumer DNEL, long-term	oral	systemic	7,5 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	7,5 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	32 mg/m ³
128-39-2	2,6-Di-tert-butylphenol			
	Worker DNEL, long-term	dermal	systemic	11,25 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	70,61 mg/m ³
	Consumer DNEL, long-term	oral	systemic	6,75 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	20,90 mg/m ³
101-83-7	dicyclohexylamine			
	Worker DNEL, long-term	dermal	systemic	0,1 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	0,353 mg/m ³

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PNEC values

CAS No	Substance		Value
Environmental compartment			
128-39-2	2,6-Di-tert-butylphenol		
Freshwater			0,001 mg/l
Freshwater (intermittent releases)			0,004 mg/l
Marine water			0 mg/l
Freshwater sediment			0,371 mg/kg
Marine sediment			0,032 mg/kg
Secondary poisoning			60 mg/kg
Micro-organisms in sewage treatment plants (STP)			10 mg/l
Soil			0,697 mg/kg
101-83-7	dicyclohexylamine		
Freshwater			0,00032 mg/l
Marine water			0,00003 mg/l
Freshwater sediment			0,00529 mg/kg
Micro-organisms in sewage treatment plants (STP)			108,2 mg/l
Soil			0,00168 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Avoid breathing vapours. Where workplace limits are exceeded, a respirator approved for this purpose must be worn.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Wear safety glasses.
Eye glasses with side protection
DIN EN 166
Observe the usual precautionary measures when handling chemicals.

Hand protection

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.

Wearing time with occasional contact (splashes):
Suitable material: PVC (polyvinyl chloride)
Thickness of the glove material 0,8 mm
Breakthrough time (maximum wearing time) 4 h

Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

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Suitable material: Natural fibres (e.g. cotton)
Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values
Suitable respiratory protection apparatus: Combination filtering device (EN 14387) A
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid	
Colour:	@1716.B170027	
Odour:	@1716.B170027	
pH-Value:		@1716.B170027

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	>160 °C
Flash point:	>61 °C

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

@1716.B170027

Lower explosion limits:	not determined
Upper explosion limits:	not determined

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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Oxidizing properties

Not oxidising.

Vapour pressure:	@1716.B170027 hPa
Density:	@1716.B170027 g/cm ³
Water solubility:	@1716.B170027 g/L

Solubility in other solvents

not determined

Partition coefficient:	@1716.B170027
Viscosity / dynamic:	@1716.B170027 mPa·s
Viscosity / kinematic: (at 40 °C)	< 20,5 mm ² /s
Vapour density:	not determined
Evaporation rate:	not determined

9.2. Other information

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SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Hazardous decomposition products: No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
128-39-2	2,6-Di-tert-butylphenol				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >10000 mg/kg	Rabbit		
64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.				
	oral	LD50 >2000 mg/kg	Rat		
101-83-7	dicyclohexylamine				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
95-63-6	1,2,4-trimethylbenzene				
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
91-20-3	naphthalene				
	oral	LD50 533 mg/kg	Rat	Manufacturer	

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

SECTION 12: Ecological information

12.1. Toxicity

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Toxic to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Hydrocarbons, C10, aromatics, <1 % naphthalene					
	Acute fish toxicity	LC50 >2-5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Manufacturer	OECD 203
	Acute algae toxicity	ErC50 >=1-3 mg/l	72 h	Pseudokirchneriella subcapitata	Manufacturer	OECD 201
	Acute crustacea toxicity	EC50 >=3-10 mg/l	48 h	Daphnia magna (Big water flea)	Manufacturer	OECD 202
128-39-2	2,6-Di-tert-butylphenol					
	Acute algae toxicity	ErC50 >0,45 mg/l		Daphnia pulex (water flea)		
64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.					
	Acute fish toxicity	LC50 >10 mg/l	96 h			
	Acute algae toxicity	ErC50 >10 mg/l				
	Acute crustacea toxicity	EC50 >10 mg/l	48 h			

12.2. Persistence and degradability

No information available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C10, aromatics, <1 % naphthalene			
	OECD 301F	49,56 %	28	
	Not readily biodegradable (according to OECD criteria)			

12.3. Bioaccumulative potential

No information available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
101-83-7	dicyclohexylamine	-0,4
95-63-6	1,2,4-trimethylbenzene	3,63

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

@1301.B130073

Contaminated packaging

Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

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SECTION 14: Transport information


Land transport (ADR/RID)

14.1. UN number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1 % naphthalene, 2,6-Di-tert-butylphenol)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9 
Classification code:	M6
Special Provisions:	274 335 375 601
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	90
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1 % naphthalene, 2,6-Di-tert-butylphenol)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9 
Classification code:	M6
Special Provisions:	274 335 375 601
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

14.1. UN number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1 % naphthalene, 2,6-Di-tert-butylphenol)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9 
Special Provisions:	274, 335, 969
Limited quantity:	5 L

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Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (Hydrocarbons, C10, aromatics, <1 % naphthalene, 2,6-Di-tert-butylphenol)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9



Special Provisions: A97 A158 A197
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y964
 Excepted quantity: E1
 IATA-packing instructions - Passenger: 964
 IATA-max. quantity - Passenger: 450 L
 IATA-packing instructions - Cargo: 964
 IATA-max. quantity - Cargo: 450 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6. Special precautions for user

No information available.

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

Restrictions on use (REACH, annex XVII):

Entry 3: 1,2,4-trimethylbenzene

Additional information

Based on the available data and / or according to the information provided by the subcontractors, the product does not contain any substance (s) which are / are deemed to be subject to authorization under REACH Regulation (EC) 1907/2006 Annex XIV. According to the available data and / or according to the instructions of the sub-suppliers, the product does not contain any substance (s) classified under Article 57 in conjunction with Article 59 of REACH Regulation (EC) 1907/2006 than for inclusion in Annex XIV (List of substances subject to authorization) in question.

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

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

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SECTION 16: Other information**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized 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
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1A; H317	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
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.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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