

Johannes J. Matthies GmbH & Co. KG

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Safety Data Sheet

according to UK REACH Regulation

JMC Hohlraum-Versiegelung 500 ml

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

1.1. Product identifier

JMC Hohlraum-Versiegelung 500 ml

UFI: 4YQT-NYDG-4G02-0QQ7

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

Use of the substance/mixture

Automotive care products (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

Responsible Department: Abteilung Produktsicherheit

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 + 44 1536 265633

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Aerosol 1; H222-H229 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, Cycloalkanes, <2% aromatics Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Signal word: Danger

according to UK REACH Regulation

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Pictograms:







Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic 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

EUH208 Contains Calcium sulfonate. May produce an allergic reaction.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Vapours may form explosive mixtures with air.

Endocrine disrupting potential: none

SECTION 3: Composition/information on ingredients

3.2. Mixtures

according to UK REACH Regulation

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Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification	•	·	
	Hydrocarbons, C6-C7, n-alkanes, is	soalkanes, cyclics, <5%		25 - < 50 %
	921-024-6			
	Flam. Liq. 2, Skin Irrit. 2, STOT SE H411	3, Asp. Tox. 1, Aquatic (Chronic 2; H225 H315 H336 H304	
	Hydrocarbons, C9-C11, n-alkanes,	isoalkanes,Cycloalkanes	s, <2% aromatics	12,5 - < 20 %
	919-857-5		01-2119463258-33	
	Flam. Liq. 3, STOT SE 3, Asp. Tox	. 1; H226 H336 H304 EU	JH066	
74-98-6	propane			12,5 - < 20 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Compressed gas; H2			
106-97-8	butane	5 - < 10 %		
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1, Compressed gas; H2			
75-28-5	isobutane	5 - < 10 %		
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1, Compressed gas; H2			
	Hydrocarbons, C9-C10, n-alkanes,	5 - < 10 %		
	927-241-2		01-2119471843-32	
	Flam. Liq. 3, STOT SE 3, Asp. Tox			
61789-86-4	Calcium sulfonate	2,5 - 5%		
	263-093-9		01-2119488992-18	
	Skin Sens. 1B; H317			

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

Specific Conc. Limits, M-factors and ATE

	o: =:::::::::::::::::::::::::::::::::::							
CAS No	EC No	Chemical name	Quantity					
	Specific Conc.	Specific Conc. Limits, M-factors and ATE						
	921-024-6	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%	25 - < 50 %					
	inhalation: LC50 = > 25,2 mg/l (dusts or mists); dermal: LD50 = > 2920 mg/kg; oral: LD50 = > 5840 mg/kg							
	919-857-5	919-857-5 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, Cycloalkanes, <2% aromatics						
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg							
61789-86-4	1789-86-4 263-093-9 Calcium sulfonate							
	dermal: LD50 =	= > 2000 mg/kg; oral: LD50 = 5000 mg/kg						

Further Information

Benzene (CAS No. 71-43-2) < 0,1 % (Note P)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

After inhalation

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

After contact with skin

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

according to UK REACH Regulation

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After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

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

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol. Pressurized container: May burst if heated. Vapours can form explosive mixtures with air.

In case of fire may be liberated: Pyrolysis products, toxic.

5.3. Advice for firefighters

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

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Evacuate area.

For non-emergency personnel

Remove all sources of ignition. Provide adequate ventilation. Use personal protection equipment.

For emergency responders

Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For containment

Stop leak if safe to do so. Cover drains.

For cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Ventilate affected area.

Other information

Provide adequate ventilation. Clean contaminated articles and floor according to the environmental legislation.

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

according to UK REACH Regulation

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Advice on safe handling

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Further information on handling

Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up.

Observe in addition any national regulations!

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep away from heat. Protect from sunlight.

7.3. Specific end use(s)

Automotive care products (Corrosion inhibitor)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
-	Cycloalkanes >= C7	-	800		TWA (8 h)	WEL
-	Cycloalkanes C5 - C6 (it excludes cyclohexane)	-	1800		TWA (8 h)	WEL
-	Normal and branched chain alkanes >= C7 (it excludes n-heptane)	-	1200		TWA (8 h)	WEL
-	Normal and branched chain alkanes C5 - C6 (it excludes n-hexane)	-	1800		TWA (8 h)	WEL

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DNEL/DMEL values

CAS No	Substance						
DNEL type	·	Exposure route	Effect	Value			
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <	5%	•				
Consumer D	NEL, long-term	oral	systemic	699 mg/kg bw/day			
Worker DNE	EL, long-term	dermal	systemic	773 mg/kg bw/day			
Consumer D	NEL, long-term	dermal	systemic	699 mg/kg bw/day			
Worker DNE	EL, long-term	inhalation	systemic	2035 mg/m³			
Consumer D	NEL, long-term	inhalation	systemic	608 mg/m³			
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, Cycloalka	anes, <2% aromatics					
Consumer D	NEL, long-term	oral	systemic	125 mg/kg bw/day			
Worker DNEL, long-term		dermal	systemic	208 mg/kg bw/day			
Consumer DNEL, long-term		dermal	systemic	125 mg/kg bw/day			
Worker DNEL, long-term		inhalation	systemic	871 mg/m³			
Consumer D	DNEL, long-term	inhalation	systemic	185 mg/m³			

8.2. Exposure controls





Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

Eye/face protection

Eye protection: not required.

Hand protection

Wear suitable gloves.

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of glove material: 0,4 mm Breakthrough time: 42 - 480 min. (Solvent)

Acetone 480 min. n-butyl acetate 60 min. Ethyl acetate 170 min. Xylene 42 min.

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.

Skin protection

Wear suitable protective clothing.

Respiratory protection

IF exposed: Short-term (single): Wear respiratory protection.

IF exposed: Long-term (continuous) Wear a self-contained breathing apparatus and chemical protective

clothing.

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Filter type: A2/P3

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid (Aerosol)
Colour: whitish
Odour: like: Solvents

Odour: like: Solvents
Odour threshold: not determined

pH-Value: not determined

Changes in the physical state

Melting point/freezing point:

Boiling point or initial boiling point and

not determined

boiling range:

Flash point: not applicable

Flammability

Solid/liquid: Extremely flammable aerosol. Pressurized container:

May burst if heated.

Explosive properties

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

Lower explosion limits:

Upper explosion limits:

(*) 0,6 vol. %

(**) 10,9 vol. %

Auto-ignition temperature:

(*) > 200 °C

Decomposition temperature:

not determined

Vapour pressure:

3500 hPa

(at 20 °C)

Density (at 20 °C): 0,7 g/cm³ Water solubility: practically insoluble

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

Viscosity / dynamic:

Not determined

Viscosity / kinematic:

Relative vapour density:

Solvent content:

not determined

not determined

81,2% (570,8 g/l)

9.2. Other information

Solid content: 18,1 %

(*) Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane

(**) propane

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

according to UK REACH Regulation

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Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

Keep away from heat. Protect from sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%							
	oral							
	dermal	LD50 mg/kg	> 2920	Rabbit				
	inhalation (4 h) dust/mist	LC50 mg/l	> 25,2	Rat				
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, Cycloalkanes, <2% aromatics							
	oral LD50 > 5000 Rat Manufacturer OE							
	dermal	LD50 mg/kg	> 2000	Rat	Manufacturer	OECD 402		
61789-86-4	Calcium sulfonate							
	oral	LD50 mg/kg	5000	Rat	Manufacturer			
	dermal	LD50 mg/kg	> 2000	Rat	Manufacturer			

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Contains Calcium sulfonate. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%;

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, Cycloalkanes, <2% aromatics)

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.

according to UK REACH Regulation

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11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name								
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method			
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%								
	Acute fish toxicity	LC50 11,4 mg/l	96 h	piscis					
	Acute algae toxicity	ErC50 30 - 1 mg/l	00 72 h	Algae					
	Acute crustacea toxicity	EC50 3 mg/	48 h	Daphnia magna (Big water flea)					

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Collect the waste separately. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

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 - 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.

according to UK REACH Regulation

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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:UN 195014.2. UN proper shipping name:AEROSOLS

14.3. Transport hazard class(es):214.4. Packing group:-Hazard label:2



Classification code: 5F

Special Provisions: 190 327 344 625

Limited quantity: 1 L
Excepted quantity: E0
Transport category: 2
Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number:UN 195014.2. UN proper shipping name:AEROSOLS

14.3. Transport hazard class(es):214.4. Packing group:-Hazard label:2.1



Classification code: 5F

Special Provisions: 190 327 344 625

Limited quantity: 1 L
Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number:UN 195014.2. UN proper shipping name:AEROSOLS

14.3. Transport hazard class(es):2.114.4. Packing group:-Hazard label:2.1



Marine pollutant:

Special Provisions: 63 190 277 327 344 381 959

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: -

according to UK REACH Regulation

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Hazard label: 2.1

2

Special Provisions: A145 A167 A802

Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0

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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%

14.6. Special precautions for user

Warning: Flammable gases.

14.7. Maritime transport in bulk according to IMO instruments

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, Entry 40

Directive 2010/75/EU on industrial < 85 %

emissions:

Information according to Directive

P3a FLAMMABLE AEROSOLS

2012/18/EU (SEVESO III):

Additional information: E2

Additional information

Aerosol directive (75/324/EEC).

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

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

Additional information

Observe in addition any national regulations!

15.2. Chemical safety assessment

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

SECTION 16: Other information

Abbreviations and acronyms

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging

EU: European Union

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

REACh: Registration, Evaluation and Authorization of Chemicals

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UN: United Nations

PBT: Persistent. Bioaccumulative. Toxic SVHC: Substance of Very High Concern vPvB: very Persistent, very Bioaccumulative

ATE: Acute Toxicity Estimates BCF: Bio-Concentration Factor DMFL: Derived Minimal Effect Level DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration VOC: Volatile Organic Compounds

DIN: Deutsches Institut für Normung e.V. (German Institute for Standardization)

EN: European Standard

ISO: International Organization for Standardization

IUCLID: International Uniform Chemical Information Database

LC50: Lethal Concentration, 50 %

LD50: Lethal Dose, 50 % LL50: Lethal Loading, 50 %

OECD: Organisation for Economic Co-operation and Development

EC50: Effective Concentration 50 % M-Faktor: Multiplication Factor EL50: Effect Loading, 50 %

ErC50: Effective Concentration 50 %, growth rate

M-Faktor: Multiplication Factor

NOEC: No Observed Effect Concentration

ADN: Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

DGR: Dangerous Goods Regulations

EmS: Emergency Schedules

IATA: International Air Transport Association

IBC: Intermediate Bulk Container

ICAO: International Civil Aviation Organization

IE: Industrial Emissions

IMDG: International Maritime Code for Dangerous Goods LQ: Limited Quantity

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

MFAG: Medical First Aid Guide

RID: Regulations concerning the International carriage of Dangerous goods by rail

TI: Technical Instructions

Classification for mixtures and used evaluation method according to GB CLP Regulation

Ciacomoation for infattance at	accinication for mixtures and acca evaluation metrica according to the transfer regulation					
Classification	Classification procedure					
Aerosol 1; H222-H229 On basis of test data						
Skin Irrit. 2; H315	Bridging principle "Aerosols"					
STOT SE 3; H336	Bridging principle "Aerosols"					
Aquatic Chronic 2; H411	Calculation method					

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.
11000	Dunner winned newtoin au Mary brount if h

Pressurised container: May burst if heated. H229

H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

according to UK REACH Regulation

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H317 May cause an allergic skin reaction. 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.
EUH208 Contains Calcium sulfonate. May produce an allergic reaction.

Further Information

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

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	5	-	0	9a	7, 11	_	-	-	

LCS: Life cycle stages
PC: Product categories
ERC: Environmental release categories

PROC: Process categories
AC: Article categories

SU: Sectors of use

TF: Technical functions

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