

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner concentrate 5 ltr.

Print date: 11.09.2017

Product code: 5540234

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

1.1. Product identifier

JMC Universal cleaner concentrate 5 ltr.

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

Use of the substance/mixture

Cleaning agent, alkaline

Uses advised against

No information available.

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:

Skin corrosion/irritation: Skin Corr. 1B

Hazard Statements:

Causes severe skin burns and eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Disodium metasilicate, pentahydrate

Signal word: Danger

Pictograms:



Hazard statements

H314

Causes severe skin burns and eye damage.

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Precautionary statements

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves and eye/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.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P310 Immediately call a POISON CENTER/doctor.

2.3. Other hazards

Impact on health
 Caustic effect on skin and eyes. Risk of serious damage to eyes. Rinse off product quickly following contact.

Impact on environment
 Large quantities of the product may cause local changes to acidity in small bodies of water which can have undesired effects on water organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68604-71-7	Alkyl imidazolinium carboxylat			1-5%
	271-704-5		02-2119666538-24	
	Eye Irrit. 2; H319			
78330-20-8	Narrow-range ethoxylate			1-5%
	Acute Tox. 4, Eye Dam. 1; H302 H318			
10213-79-3	Disodium metasilicate, pentahydrate			1-5%
	229-912-9	014-010-00-8	01-2119449811-37	
	Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3; H290 H314 H318 H335			

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

Further Information

Details of components
 5-15%: nonionic surfactants
 <5%: phosphates

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

After inhalation

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
 Get medical advice/attention if you feel unwell.

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. May lead to permanent damage if eyes are not rinsed out immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Rinse mouth immediately and drink plenty of water. Call a physician immediately. Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps.

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

Non-flammable. Gases hazardous to health may form if burnt. Extinguishing water in contact with product may be caustic.

5.3. Advice for firefighters

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

Additional information

Suppress gases/vapours/mists with water spray jet. Do not inhale explosion and combustion gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Warning corrosive.

Use personal protection equipment. In case of insufficient ventilation, wear suitable respiratory equipment.

6.2. Environmental precautions

Do not allow to enter groundwater, bodies of water or the sewage system in an undiluted condition or larger quantities. 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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). The contaminated area should be cleaned up immediately with: Water

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

Do not mix with products containing acid.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place away from acids.

Advice on storage compatibility

No special measures are necessary.

Further information on storage conditions

storage temperature: -10 - 35 °C

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Minimum product shelf life 36 months when stored correctly.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
10213-79-3	Disodium metasilicate, pentahydrate			
Worker DNEL, long-term		inhalation	systemic	6,22 mg/m ³
Worker DNEL, long-term		dermal	systemic	1,49 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,55 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,74 mg/kg bw/day

PNEC values

CAS No	Substance	Value
10213-79-3	Disodium metasilicate, pentahydrate	
Environmental compartment		
Freshwater		7,5 mg/l
Marine water		1 mg/l
Micro-organisms in sewage treatment plants (STP)		1000 mg/l

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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

Suitable eye protection: goggles.

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.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
 Colour: yellow
 Odour: no characteristic odour

Test method

pH-Value: ~13

Changes in the physical state

Melting point: not determined
 Initial boiling point and boiling range: not determined
 Flash point: not determined

Flammability

Solid: not applicable
 Gas: not applicable

Explosive properties

The product is not explosive.

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

Auto-ignition temperature

Solid: not applicable
 Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined
 Density: not determined
 Water solubility: completely water soluble

Solubility in other solvents

not determined

Partition coefficient: not determined
 Viscosity / dynamic: <50 mPa·s
 Vapour density: not determined
 Evaporation rate: not determined

9.2. Other information

Solid content: not determined

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

Reacts with: Strong acids. Hazard due to boiling over (splashing).

10.4. Conditions to avoid

Heating.
 Extreme temperatures.

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Avoid contact with acids.

10.5. Incompatible materials

Strong acids.

Oxidating acids.

Alkali-sensitive metals such as aluminium and zinc and alloys of these metals.

10.6. Hazardous decomposition products

In case of fire may be liberated: toxic gas (CO, CO₂, NO_x)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
78330-20-8	Narrow-range ethoxylate			
	oral	LD50 500-2000 mg/kg	Rat	
	dermal	LD50 >4000 mg/kg	Rat	
10213-79-3	Disodium metasilicate, pentahydrate			
	oral	LD50 1152-1349 mg/kg	Rat	
	dermal	LD50 >5000 mg/kg	Rat	

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Large quantities of the product can impact on the pH value in water and have a damaging effect on water organisms.

12.2. Persistence and degradability

It is assumed that the product is biologically degradable.

12.4. Mobility in soil

The product is water soluble and can be distributed in the aqueous system.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. This material and its container must be disposed of as hazardous waste.

EAK 0706 Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 1719

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14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S.**14.3. Transport hazard class(es):** 8**14.4. Packing group:** III

Hazard label: 8



Classification code: C5

Special Provisions: 274

Limited quantity: 5 L

Excepted quantity: E1

Transport category: 3

Hazard No: 80

Tunnel restriction code: E

Inland waterways transport (ADN)**14.1. UN number:** UN 1719**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.**14.3. Transport hazard class(es):** 8**14.4. Packing group:** III

Hazard label: 8



Classification code: C5

Special Provisions: 274

Limited quantity: 5 L

Excepted quantity: E1

Marine transport (IMDG)**14.1. UN number:** UN 1719**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.**14.3. Transport hazard class(es):** 8**14.4. Packing group:** III

Hazard label: 8



Special Provisions: 223, 274

Limited quantity: 5 L

Excepted quantity: E1

EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number:** UN 1719**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.**14.3. Transport hazard class(es):** 8**14.4. Packing group:** III

Hazard label: 8



Special Provisions: A3 A803

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Limited quantity Passenger:	1 L	
Passenger LQ:	Y841	
Excepted quantity:	E1	
IATA-packing instructions - Passenger:		852
IATA-max. quantity - Passenger:		5 L
IATA-packing instructions - Cargo:		856
IATA-max. quantity - Cargo:		60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: strongly corrosive. not relevant

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

not relevant

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation).

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): -- not water contaminating

15.2. Chemical safety assessment

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

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%

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

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.

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Identified uses

No	Short title	SU main	SU	PC	PROC	ERC	AC	Specification
1	PC35 Washing and cleaning products (including solvent based products)	-	-	35	-	-	-	
2	SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)	22	-	-	-	-	-	
3	ERC8d	-	-	-	-	8d	-	
4	SU1 Agriculture, forestry, fishery	-	1	-	-	-	-	
5	SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites	3	-	-	-	-	-	
6	SU4 Manufacture of food products	-	4	-	-	-	-	
7	SU20 Health services	-	20	-	-	-	-	
8	PROC10 Roller application or brushing	-	-	-	10	-	-	
9	ERC8a	-	-	-	-	8a	-	

SU main: Main user groups

PC: Product categories

ERC: Environmental release categories

SU: Sectors of use

PROC: Process 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.)