

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 1 of 11

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

JMC Universal cleaner, ready to use 1 ltr.

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

Cleaning agent, alkaline

SU1 Agriculture, forestry, fishery

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU4 Manufacture of food products

SU20 Health services

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

PC35 Washing and cleaning products

PROC10 Roller application or brushing

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8D Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

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

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Disodium metasilicate, pentahydrate

Signal word: Danger

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 2 of 11

Pictograms:**Hazard statements**

H314 Causes severe skin burns and eye damage.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 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.

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.

The mixture contains the following substances fulfilling the PBT-/vPvB criteria according to REACH Annex XIII: none

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

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
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	
93820-52-1	Alkyl imidazolinium carboxylat	1 - 5 %
	946-533-0	01-2120750377-50
	Eye Dam. 1, Skin Sens. 1B; H318 H317	
78330-20-8	Alcohols C9-11-iso-, C10-rich, ethoxylated	1 - 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318	

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

Further Information

Details of components

< 5%: phosphates

5 - 15 %: nonionic surfactants

SECTION 4: First aid measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 3 of 11

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down. Personal protection equipment: see section 8

After inhalation

Remove casualty to fresh air and keep warm and at rest. Do not leave affected person unattended. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

Wash with plenty of water. Take off contaminated clothing. Call a doctor 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 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

strongly corrosive. Causes severe skin burns and eye damage.
Corrosion: Symptoms can occur only after several hours.

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

Unconsciousness, After ingestion, Eye contact: Immediately call a doctor.

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

Use personal protection equipment. Personal protection equipment: see section 8

Additional information

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. 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.

Personal protection equipment: see section 8

6.2. Environmental precautions

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 4 of 11

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 allow uncontrolled discharge of product into the environment. Avoid contact with eyes and skin. Avoid contact with acids. Avoid: Generation/formation of dust, generation/formation of aerosols, Generation/formation of mist, @0201.B020638.

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.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs. Keep away from: Acids.

Further information on storage conditions

storage temperature: -10 - 35 °C

Minimum product shelf life 36 months when stored correctly.

7.3. Specific end use(s)

Specific end use(s) (see section 1.2)

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	
Freshwater		7,5 mg/l
Marine water		1 mg/l
Micro-organisms in sewage treatment plants (STP)		1000 mg/l

8.2. Exposure controls

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 5 of 11

**Appropriate engineering controls**

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. See information supplied by the manufacturer. Provide eye shower and label its location conspicuously

Eye/face protection

@ES04.B001645

Hand protection

@ES04.B000919

Suitable material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), Butyl caoutchouc (butyl rubber).

Permeation time (maximum wear time): approx. 3 h

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.

@ES04.B001811 Protective apron Protective clothing, Rubber boots

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Suitable respiratory protection apparatus: Filtering Half-face mask (DIN EN 149), Particle filter device (DIN EN 143). Filter type: P2

Environmental exposure controls

SECTION 6: Accidental release measures

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

Physical state:	Liquid
Colour:	yellow
Odour:	no characteristic odour
pH-Value:	(in aqueous solution, 4 %) 11,5

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 6 of 11

Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties	
Not oxidising.	
Vapour pressure:	not determined
Density:	not determined
Bulk density:	~ 1000 kg/m ³
Water solubility:	completely water soluble
Partition coefficient:	not determined
Viscosity / dynamic:	< 50 mPa·s
Vapour density:	not determined
Evaporation rate:	not determined

9.2. Other information

No information available.

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

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

10.4. Conditions to avoid

Heating.
Extreme temperatures.
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 productsIn case of fire may be liberated: Gases/vapours, toxic (CO, CO₂, NO_x)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 7 of 11

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
10213-79-3	Disodium metasilicate, pentahydrate				
	oral	LD50 1152-1349 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rat		
78330-20-8	Alcohols C9-11-iso-, C10-rich, ethoxylated				
	oral	LD50 500 - 2000 mg/kg	Rat	Manufacturer	
	dermal	LD50 > 4000 mg/kg	Rat	Manufacturer	

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

Inhalation of vapours or spray/mists: Corrosive to the respiratory tract.

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

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.

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.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
78330-20-8	Alcohols C9-11-iso-, C10-rich, ethoxylated					
	Acute fish toxicity	LC50 100 mg/l	96 h	Leuciscus idus (golden orfe)	Manufacturer	
	Acute algae toxicity	ErC50 mg/l	72 h	Algae	Manufacturer	
	Acute crustacea toxicity	EC50 mg/l	48 h	Crustacea	Manufacturer	

12.2. Persistence and degradability

The product is: easily biodegradable.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 8 of 11

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

12.6. Other adverse effects

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

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.

Contaminated packaging

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

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

<u>14.1. UN number:</u>	UN 1719
<u>14.2. UN proper shipping name:</u>	CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate, pentahydrate)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	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)

<u>14.1. UN number:</u>	UN 1719
<u>14.2. UN proper shipping name:</u>	CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate, pentahydrate)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8



Classification code:	C5
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 9 of 11

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate, pentahydrate)
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
 Segregation group: alkalis

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate, pentahydrate)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
 Hazard label: 8



Special Provisions: A3 A803
 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

14.6. Special precautions for user

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).

15.2. Chemical safety assessment

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

SECTION 16: Other information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 10 of 11

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
Skin Corr. 1B; H314	
Eye Dam. 1; H318	Calculation method

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.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
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.

Identified uses

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

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC Universal cleaner, ready to use 1 ltr.

Revision date: 04.09.2019

Product code: 5540233

Page 11 of 11

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