

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**JMC High-pressure cleaner concentrate 10 ltr.**

Revision date: 26.08.2019

Product code: 5563036

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

JMC High-pressure cleaner concentrate 10 ltr.

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

PC35 Washing and cleaning 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:

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**

tetrasodium ethylene diamine tetraacetate

Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

**Signal word:** Danger**Pictograms:****Hazard statements**

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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P264	Wash hands thoroughly after handling.
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.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64-02-8	tetrasodium ethylene diamine tetraacetate			1 - < 2,5 %
	200-573-9	607-428-00-2	01-2119486762-27	
	Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, STOT RE 2; H332 H302 H318 H373			
69011-36-5	Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched			1 - < 2,5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318			
1310-73-2	sodium hydroxide; caustic soda			0,25 - <1 %
	215-185-5	011-002-00-6	01-2119457892-27	
	Met. Corr. 1, Skin Corr. 1A; H290 H314			

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

#### Further Information

Cleaning agent:

&gt; 30% AQUA

&lt; 5 % nonionic surfactants, EDTA and salts thereof, Sodium Hydroxide

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

#### After inhalation

Provide fresh air. Do not leave affected person unattended.

#### After contact with skin

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

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

Tissue-destroying effects: The product contains corrosive substances. Inhalation of steam or spray can lead to lung damage and induce irritation and burning of the respiratory organs and coughing. Corrosive substances cause irreversible damage to the eyes. Irritates the skin.

Irritating effects: The product contains substances that irritate locally when skin/eye contact or inhalation occurs. Contact with local irritants can lead to the contact area reacting more sensitively to the absorption of harmful substances or, for example, allergenic substances.

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

IF exposed or concerned: Get medical advice/attention. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

alcohol resistant foam. Carbonic acid. Powder. Water mist.

**Unsuitable extinguishing media**

Do not use a water jet, as this can spread the fire.

**5.2. Special hazards arising from the substance or mixture**

none

**5.3. Advice for firefighters**

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

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid direct contact with the product. Do not breathe gas/fumes/vapour/spray.

**6.2. Environmental precautions**

No special requirements.

**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). Treat the recovered material as prescribed in the section on waste disposal.

Cleaning is realised in as far as possible with cleaning agents. Solvents should be avoided.

**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**

When using do not eat, drink or smoke. Personal protection equipment: see section 8. Avoid direct contact with the product.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Keep/Store only in original container.

**Further information on storage conditions**

storage temperature: No information available.

**7.3. Specific end use(s)**

Specific end use(s) (see section 1.2)

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	WEL

##### PNEC values

CAS No	Substance	
Environmental compartment		Value
69011-36-5	Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched	
Micro-organisms in sewage treatment plants (STP)		> 10000 mg/l

#### 8.2. Exposure controls



##### Appropriate engineering controls

Do not breathe gas/fumes/vapour/spray.

##### Protective and hygiene measures

Wash hands and face before breaks and after work and take a shower if necessary.

##### Eye/face protection

Suitable eye protection: Wear face protection. Eye glasses with side protection

##### Hand protection

Suitable material: CR (polychloroprene, chloroprene rubber)

Breakthrough time (maximum wearing time): &gt; 240 min (Class(es) 5)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

No special requirements.

##### Environmental exposure controls

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	clear
Odour:	characteristic
pH-Value:	

13

##### Changes in the physical state

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

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**Flammability**

Solid: not determined  
Gas: not determined

**Explosive properties**

No information available.

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

**Auto-ignition temperature**

Solid: not applicable  
Gas: not applicable

Decomposition temperature: not determined

Vapour pressure: not determined

Density: 1,06 g/cm<sup>3</sup>

Water solubility: soluble

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

**9.2. Other information**

Fat solubility (g/L): No information available.

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**

No known hazardous reactions.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

Strong acids., Strong alkali, Oxidising agent, strong. Reducing agent, strong.

**10.6. Hazardous decomposition products**

The product is not degraded if used as indicated in Section 1.

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

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-02-8	tetrasodium ethylene diamine tetraacetate				
	oral	LD50 > 2000 mg/kg	Rat		
	inhalation vapour	LC50 1 - 5 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			
69011-36-5	Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched				
	oral	LD50 500-2000 mg/kg	Rat	Manufacturer	
1310-73-2	sodium hydroxide; caustic soda				
	oral	LD50 130 - 340 mg/kg	Rat		
	dermal	LD50 1350 mg/kg	Rat		

**Irritation and corrosivity**

Causes severe skin burns and eye damage.

Causes serious eye damage.

**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].

**Practical experience****Other observations**

Tissue-destroying effects: The product contains corrosive substances. Inhalation of steam or spray can lead to lung damage and induce irritation and burning of the respiratory organs and coughing. Corrosive substances cause irreversible damage to the eyes. Irritates the skin.

Irritating effects: The product contains substances that irritate locally when skin/eye contact or inhalation occurs. Contact with local irritants can lead to the contact area reacting more sensitively to the absorption of harmful substances or, for example, allergenic substances.

**SECTION 12: Ecological information****12.1. Toxicity**

The product is not: Ecotoxic.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64-02-8	tetrasodium ethylene diamine tetraacetate					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Fisch		
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Algen		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Krustentier		
69011-36-5	Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched					
	Acute fish toxicity	LC50 1-10 mg/l	96 h	Piscis	Manufacturer	
	Acute algae toxicity	ErC50 1-10 mg/l	72 h	Algae	Manufacturer	
	Acute crustacea toxicity	EC50 1-10 mg/l	48 h	Daphnia	Manufacturer	
1310-73-2	sodium hydroxide; caustic soda					
	Acute fish toxicity	LC50 35-189 mg/l	96 h	Fisch		
	Acute crustacea toxicity	EC50 40,4 mg/l	48 h	Krustentier		

**12.2. Persistence and degradability**

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
69011-36-5	Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched			
	CO <sub>2</sub> formation (% of the theoretical value).	> 60 %		Manufacturer
	Biodegradable.			

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
64-02-8	tetrasodium ethylene diamine tetraacetate	- 13
1310-73-2	sodium hydroxide; caustic soda	-3,88

**BCF**

CAS No	Chemical name	BCF	Species	Source
1310-73-2	sodium hydroxide; caustic soda	0		

**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 REACH, annex XIII.

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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### Advice on disposal

Dispose of waste according to applicable legislation.

### Waste disposal number of waste from residues/unused products

200115 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); Alkalines; hazardous waste

### Waste disposal number of used product

200115 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); Alkalines; hazardous waste


### Contaminated packaging

Packaging which cannot be cleaned should be disposed of in the same manner as the substance.

## SECTION 14: Transport information

### Land transport (ADR/RID)


**14.1. UN number:** UN 3266  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide; caustic soda)  
**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 3266  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide; caustic soda)  
**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 3266  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE SOLUTION)



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**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 3266

**14.2. UN proper shipping name:**

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE SOLUTION)

**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

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:

no

**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**Information according to 2012/18/EU  
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**Additional information**

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Regulation (EC) No. 648/2004 (Detergents regulation). Regulation (EC) No. 1907/2006 (REACH)

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Regulation (EC) No. 1272/2008 [CLP]

**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): 1 - slightly 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%

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

Classification	Classification procedure
Skin Corr. 1B; H314	On basis of test data
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.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

**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	-	-	-	-	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

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.)*