

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.06.2018

Version number 102

Revision: 07.07.2017

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

- **1.1 Product identifier**
- **Trade name** JCM Additiv + 404
- **Article number:** 1002875722001
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Industrial use
Additive
Cleaning agent / Cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
JCM-Industriehandel
Eichenhain 6
D-35641 Schöffengrund-Laufdorf
Tel. 06441-9527725
e-mail: info@teile-reinigung.com
www.teile-reinigung.com
- **Informing department:** Product safety department
- **1.4 Emergency telephone number:**
Poison Control Center, Mainz
Tel. 00 49 / 61 31 / 19 240

* SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**
sodium etasulfate
- **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.

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- P302+P352 IF ON SKIN: Wash with plenty of water.
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.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions

- Dangerous components:

CAS: 68439-51-0 Polymer	Alcohol C12-C14, ethoxylated, propoxylated Aquatic Chronic 2, H411	25-50%
CAS: 126-92-1 EINECS: 204-812-8 Reg.nr.: 01-2119971586-23	sodium etasulfate Eye Dam. 1, H318; Skin Irrit. 2, H315	10-25%
CAS: 61791-14-8 Polymer	cocoalkyl amine ethoxylate Acute Tox. 4, H302; Eye Irrit. 2, H319	< 2.5%
CAS: 146340-16-1 Polymer	fatty alcohol ethoxylate butyl ether Aquatic Acute 1, H400; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	< 2.5%
CAS: 28519-02-0 EINECS: 249-063-8	Mono- and didodecyl disulphonated diphenyloxide, disodium salt Eye Dam. 1, H318; Aquatic Chronic 2, H411	< 2.5%
CAS: 25167-32-2 EINECS: 246-688-8	disodium 2,2'(or 3,3')-oxybis[5(or 2)-dodecylbenzenesulphonate] Eye Dam. 1, H318; Aquatic Chronic 2, H411	< 2.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.
- **Composition/Ingredients**
Constituents according to EC-Regulation 648/2004:
> 30 % non-ionic surfactants,
5 - 15 % anionic surfactants,

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General advice:** In case of unconsciousness bring patient into stable side position for transport.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.
- **After eye contact**
Rinse immediately opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.

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- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment and keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
If large amounts are released, the authorities must be informed.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Contaminated material has to be disposed as waste (see item 13).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Pay attention to general rules of internal fire prevention.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**
Observe official regulations on storage and handling of water hazardous substances
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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- 8.1 Control parameters**- Components with critical values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- DNELs**126-92-1 sodium etasulfate**

Oral	DNEL (population)	24 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	4,060 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	2,440 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	285 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	85 mg/m ³ (Long-term, systemic effects)

- PNECs**126-92-1 sodium etasulfate**

PNEC water	0.1357 mg/l (freshwater)
	0.01357 mg/l (marine water)
PNEC	1.35 mg/l (sewage plant)
PNEC	0.22 mg/kg dw (soil)
PNEC sediment	1.5 mg/kg dw (freshwater)
	0.15 mg/kg dw (marine water)

- Additional information: The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls**- Personal protective equipment****- General protective and hygienic measures**

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Tightly sealed safety glasses.

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- Body protection:

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**- General Information****- Appearance:**

Form:	Fluid
Colour:	Yellowish
- Smell:	Characteristic
- Odour threshold:	Not determined.

- pH-value at 20 °C: <10.5

- Change in condition

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined

- Flash point: > 100 °C

- Inflammability (solid, gaseous) Not applicable.

- Ignition temperature: (lowest level for individual components)

- Decomposition temperature: Not determined.

- Self-inflammability: Product is not selfigniting.

- Explosive properties: Product is not potentially explosive

- Critical values for explosion:

Lower:	Not determined.
Upper:	Not determined.

- Vapour pressure at 20 °C: 23 hPa

- Density at 20 °C	1.057 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.
- Evaporation rate	Not determined.

- Solubility in / Miscibility with Water:

Fully miscible

- Partition coefficient: n-octanol/water: Not determined.

- Viscosity:

dynamic:	Not determined.
kinematic:	Not determined.

- 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Formation of carbon monoxide and carbon dioxide in case of fire.

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:

68439-51-0 Alcohol C12-C14, ethoxylated, propoxylated

Oral	LD50	>3,000 mg/kg (mouse) (OECD-Prüfrichtlinie 401)
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126-92-1 sodium etasulfate

Oral	LD50	>2,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (mouse)
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61791-14-8 cocoalkyl amine ethoxylate

Oral	LD50	1,000 mg/kg (rat) (OECD 401)
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146340-16-1 fatty alcohol ethoxylate butyl ether

Oral	LD50	>2,000 mg/kg (rat) (OECD 401)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity 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** 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.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

68439-51-0 Alcohol C12-C14, ethoxylated, propoxylated

LC 50 / 96 h	2 mg/l (Leuciscus idus) (OECD-Prüfrichtlinie 203)
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EC 50 / 24 h	23,473 mg/l (Pseudomonas putida)
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EC 50	<1 mg/l (Algae)
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126-92-1 sodium etasulfate

LC 50 / 96 h	>100 mg/l (fish)
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EC 50 / 48 h	483 mg/l (Daphnia)
IC 50 / 72 h	>511 mg/l (Algae)
61791-14-8 cocoalkyl amine ethoxylate	
LC 50	1-10 mg/l (fish) (ISO 7346/2 (semistatic))
146340-16-1 fatty alcohol ethoxylate butyl ether	
LC 50 / 48 h	>0.1-1 mg/l (Leuciscus idus)
LC 50	0.1-1 mg/l (fish)
EC 50 / 24 h	>0.1-1 mg/l (Daphnia magna) (OECD 202)
EC 50 / 72 h	>0.1-1 mg/l (Algae) (OECD 201)

- 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) 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.

- 12.3 Bioaccumulative potential No further relevant information available.**- 12.4 Mobility in soil** No further relevant information available.**- Ecotoxicological effects:****- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):**

61791-14-8 cocoalkyl amine ethoxylate	
EC 0	10-100 mg/l (bacteria) (OECD 209)
146340-16-1 fatty alcohol ethoxylate butyl ether	
EC 0	>10-100 mg/l (activated sludge (method OECD 209))

- Additional ecological information:**- General notes:**

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

- 12.5 Results of PBT and vPvB assessment**- PBT:** Not applicable.**- vPvB:** Not applicable.**- 12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- Uncleaned packagings: Disposal must be made according to official regulations.**- Recommendation:**

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

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Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

SECTION 14: Transport information

- 14.1 UN-Number	
- ADR, IMDG, IATA	UN3082
- 14.2 UN proper shipping name	
- ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohol C12-C14, ethoxylated, propoxylated, cocoalkyl amine ethoxylate)
- IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohol C12-C14, ethoxylated, propoxylated, cocoalkyl amine ethoxylate), MARINE POLLUTANT
- IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohol C12-C14, ethoxylated, propoxylated, cocoalkyl amine ethoxylate)
- 14.3 Transport hazard class(es)	
- ADR	
- Class	9 (M6) Miscellaneous dangerous substances and articles.
- Label	9
- IMDG, IATA	
- Class	9 Miscellaneous dangerous substances and articles.
- Label	9
- 14.4 Packing group	
- ADR, IMDG, IATA	III
- 14.5 Environmental hazards:	
Product contains environmentally hazardous substances: fatty alcohol ethoxylate butyl ether, Alcohol C12-C14, ethoxylated, propoxylated	
- Marine pollutant:	Yes
- Special marking (ADR):	Symbol (fish and tree)
- Special marking (IATA):	Symbol (fish and tree)
- 14.6 Special precautions for user	
Warning: Miscellaneous dangerous substances and articles.	
- Kemler Number:	90
- EMS Number:	F-A,S-F
- Segregation groups	Alkalis
- Stowage Category	A
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
Not applicable.	
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	5L

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- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- Transport category	3
- Tunnel restriction code	E
- IMDG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohol C12-C14, ethoxylated, propoxylated, cocoalkyl amine ethoxylate), 9, III

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS05 GHS09

- Signal word Danger

- Hazard-determining components of labelling:

sodium etasulfate

- Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

- Precautionary statements

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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- National regulations**- Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Application: Directions for use: please refer to the Technical Information Sheet**- Relevant phrases**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

- Contact: see item 1: Informing department**- Abbreviations and acronyms:**

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * Data compared to the previous version altered.

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Annex: Exposure scenario

- Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

- Conditions of use**- Duration and frequency** 5 workdays/week.**- Physical parameters****- Physical state** Fluid**- Concentration of the substance in the mixture** The substance is main component.**- Other operational conditions****- Other operational conditions affecting environmental exposure** Use only on hard ground.**- Other operational conditions affecting worker exposure** Avoid contact with eyes.**- Other operational conditions affecting consumer exposure** No special measures required.**- Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.**- Risk management measures****- Worker protection****- Organisational protective measures** No special measures required.**- Technical protective measures**

Use product only in enclosed systems.

Ensure that suitable extractors are available on processing machines

- Personal protective measures

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Tightly sealed safety glasses.

- Measures for consumer protection Ensure adequate labelling.**- Environmental protection measures****- Water** Do not allow to reach sewage system.**- Soil** Prevent contamination of soil.**- Disposal measures** Disposal must be made according to official regulations.**- Disposal procedures**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Waste type Partially emptied and uncleaned packaging**- Exposure estimation****- Consumer** Not relevant for this Exposure Scenario.