

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830

Article No.: 35-1-997  
Print date: 07.05.2020  
Version: 1.42

Metall-Reiniger  
Revision date: 27.04.2020  
Issue date: 27.04.2020

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

**1.1. Product identifier**

Article No. (manufacturer/supplier): 35-1-997  
Trade name/designation Metall-Reiniger  
farblos

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

**Relevant identified uses**

Cleanser

**Uses advised against**

Aware of any other information

**1.3. Details of the supplier of the safety data sheet**

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

P.A. Jansen GmbH u. Co., KG

Maler-Spezialprodukte

Hochstadenstraße 22

D-53474 Bad Neuenahr-Ahrweiler

Telephone: +49 2641 3897-0

Telefax: +49 2641 3897-28

Homepage: www.jansen.de

**Department responsible for information:**

laboratory

E-mail (competent person)

sicherheitsdatenblatt@jansen.de

**1.4. Emergency telephone number**

Emergency telephone number

+49 2641 3897-51

Only available during office hours.

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

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

Eye Irrit. 2 / H319

Serious eye damage/eye irritation

Causes serious eye irritation.

**2.2. Label elements**

The product is classified and labelled according to EC directives or corresponding national laws.

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**



**Warning**

**Hazard statements**

H319

Causes serious eye irritation.

**Precautionary Statements**

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P264

Wash hands thoroughly after handling.

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.

**Hazard components for labelling**

No data available

**Supplemental hazard information**

No data available

**2.3. Other hazards**

No information available.

**SECTION 3: Composition / information on ingredients**

**3.2. Mixtures**

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**Description** Mixture with the substances listed below with non-hazardous additions:

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

EC No.	REACH No.	Wt %
CAS No.	Designation	
INDEX No.	classification: // Remark	
204-812-8	01-2119971586-23	
126-92-1	Sodium etasulfate	2 - 2,5
	Skin Irrit. 2 H315 / Eye Dam. 1 H318	

**Additional information**

Full text of classification: see section 16

**Labelling for contents according to regulation (EC) No. 648/2004:**

< 5 % anionic surfactants  
< 5 % non-ionic surfactants

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

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

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Unsuitable extinguishing media**

strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device.

**Additional information**

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

**6.2. Environmental precautions**

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Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

**6.3. Methods and material for containment and cleaning up**

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

**6.4. Reference to other sections**

Observe protective provisions (see section 7 and 8).

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advices on safe handling**

The usual precautionary measures for handling chemicals should be observed.

**Further information**

No special measures are required.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

No special measures are required. Keep container tightly closed. Store carefully closed containers upright to prevent any leaks.

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Further information on storage conditions**

Keep away from frost! Keep only in the original container in a cool, well-ventilated place. Take care of instructions on label.

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

Observe technical data sheet. Observe instructions for use.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limit values**

No data available

**DNEL:**

Sodium etasulfate

EC No. 204-812-8 / CAS No. 126-92-1

DNEL long-term dermal (systemic), Workers: 4060 mg/kg

DNEL long-term inhalative (systemic), Workers: 285 mg/m<sup>3</sup>

DNEL long-term oral (repeated), Consumer: 24 mg/kg

DNEL long-term dermal (systemic), Consumer: 2440 mg/kg

DNEL long-term inhalative (systemic), Consumer: 85 mg/m<sup>3</sup>

**PNEC:**

Sodium etasulfate

EC No. 204-812-8 / CAS No. 126-92-1

PNEC aquatic, freshwater: 0,1357 mg/l

PNEC aquatic, marine water: 0,0136 mg/l

PNEC sediment, freshwater: 1,5 mg/kg

PNEC sediment, marine water: 0,15 mg/kg

PNEC, soil: 0,22 mg/kg

PNEC sewage treatment plant (STP): 1,35 mg/l

**8.2. Exposure controls**

Provide good ventilation.

**Personal protection equipment**

**Respiratory protection**

Recommended respiratory protection articles: Inadequately ventilated workplaces and spraying procedures are necessary. Fresh air mask or short-time work combination filter A2-P2 are recommended.

**Hand protection**

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Wear protective gloves. Suitable material: NBR (Nitrile rubber)

**Eye/face protection**

Wear closely fitting protective glasses in case of splashes.

**Body protection**

No special measures are necessary.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

**Appearance:**

**Physical state:** Liquid  
**Colour:** colourless

**Odour:** characteristic

**Odour threshold:** No data available

**pH at 20 °C:** ca. 10

**Melting point/freezing point:** No data available

**Initial boiling point and boiling range:** 100 °C  
Source: Water

**Flash point:** No data available

**Evaporation rate:** No data available

**flammability**

**Burning time (s):** No data available

**Upper/lower flammability or explosive limits:**

**Lower explosion limit:** 0,8 Vol-%  
Method: literature value

**Upper explosion limit:** No data available

**Vapour pressure at 20 °C:** No data available

**Vapour density:** No data available

**Relative density:**

**Density at 20 °C:** 1,02 g/cm<sup>3</sup>  
Method: DIN 53217

**Solubility(ies):**

**Water solubility (g/L) at 20 °C:** completely miscible

**Partition coefficient: n-octanol/water:** see section 12

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity at 23 °C:** 11 s 4 mm  
Method: DIN 53211

**Explosive properties:** No data available

**Oxidising properties:** No data available

9.2. Other information

**Solid content (%):** 3 Wt %

**solvent content:**

**Organic solvents:** 1 Wt %  
**Water:** 96 Wt %

**SECTION 10: Stability and reactivity**

10.1. Reactivity

No information available.

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**10.2. Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

**10.3. Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**10.4. Conditions to avoid**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5. Incompatible materials**

not applicable

**10.6. Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

**SECTION 11: Toxicological information**

Classification according to Regulation (EC) No 1272/2008 [CLP]  
No data on preparation itself available.

**11.1. Information on toxicological effects**

**Acute toxicity**

Sodium etasulfate

oral, LD50, Rat: > 2000 mg/kg

dermal, LD50, Rat: > 2000 mg/kg

**Skin corrosion/irritation; Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

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

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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

**STOT-single exposure; 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.

**Practical experience/human evidence**

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**Overall Assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself . The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

**SECTION 12: Ecological information**

Classification according to Regulation (EC) No 1272/2008 [CLP]  
There is no information available on the preparation itself .  
Do not allow to enter into surface water or drains.

**12.1. Toxicity**

Sodium etasulfate

Fish toxicity, LC50, Brachydanio rerio (zebra-fish): > 100 mg/l (96 h)

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Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 100 mg/l (48 h)  
Algae toxicity, ErC50, Desmodesmus subspicatus: > 100 mg/l (72 h)

**Long-term Ecotoxicity**

Toxicological data are not available.

12.2. **Persistence and degradability**

Toxicological data are not available.

12.3. **Bioaccumulative potential**

Toxicological data are not available.

**Bioconcentration factor (BCF)**

Toxicological data are not available.

12.4. **Mobility in soil**

Toxicological data are not available.

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**

**Appropriate disposal / Product Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**List of proposed waste codes/waste designations in accordance with EWC**

200129\* Detergents containing hazardous substances

\*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

**Appropriate disposal / Package Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14: Transport information**

**No dangerous good in sense of this transport regulation.**

14.1. **UN number**

No data available

14.2. **UN proper shipping name**

14.3. **Transport hazard class(es)**

No data available

14.4. **Packing group**

No data available

14.5. **Environmental hazards**

Land transport (ADR/RID)

No data available

Marine pollutant

No data available

14.6. **Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

tunnel restriction code

-

**Sea transport (IMDG)**

EmS-No.

No data available

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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 legislation**

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]**

This product is not classified according to Directive 2012/18/EU.

**National regulations**

**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.  
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. **Chemical Safety Assessment**

**For the following substances of this mixture a chemical safety assessment has been carried out:**

EC No. CAS No.	Designation	REACH No.
204-812-8 126-92-1	Sodium etasulfate	01-2119971586-23

**SECTION 16: Other information**

**Full text of classification in section 3:**

Skin Irrit. 2 / H315      Skin corrosion/irritation      Causes skin irritation.  
Eye Dam. 1 / H318      Serious eye damage/eye irritation      Causes serious eye damage.

**Classification procedure**

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

Eye Irrit. 2      Serious eye damage/eye irritation      Calculation method.

**Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

**Data sources:**

Data arise from reference works and literature.

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**Further information**

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.