



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

1.1 Product identifier

Trade name: Bio Clean

UFI: 90J0-K0P1-J00X-T1W1

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

General use: Cleaning agent

1.3 Details of the supplier of the safety data sheet

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

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Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

1.4 Emergency telephone number

GIZ-Nord, Göttingen**Telephone: +49 551-19240**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

Special labelling

Text for labelling: Contains non-ionic surfactant: < 5% and phosphates.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Aqueous solution of non-ionic surfactants, polyphosphates and supplemental additives.



SECTION 4: First aid measures

4.1 Description of first aid measures

- In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.
- Following skin contact: Remove residues with water.
Consult a doctor if skin irritation persists.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of eye irritation consult an ophthalmologist.
- After swallowing: Repeatedly drink water. Do not induce vomiting. Attention in case of vomiting and stomach pumping: danger of aspiration. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- After contact with skin:
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
- After eye contact: Mild irritant.

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: Water spray jet, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

- Full water jet

5.2 Special hazards arising from the substance or mixture

- Combustible.
May form dangerous gases and vapours in case of fire.
In case of fire may be liberated: Organic crack products, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

- Wear self-contained breathing apparatus. Wear suitable protective clothing.

Additional information:

- Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear appropriate protective equipment.
Avoid contact with the substance. Provide adequate ventilation.
Do not breathe vapours.

6.2 Environmental precautions

- Do not allow to penetrate into soil, waterbodies or drains.
If substance has entered water bodies or sewage system or has contaminated soil or vegetation, inform police and firefighting brigade.

6.3 Methods and material for containment and cleaning up

- Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance.

Additional information:

- Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

- Refer additionally to section 8 and 13.



SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin and eyes. Do not breathe vapours.
Wear appropriate protective equipment.
Provide adequate ventilation, and local exhaust as needed.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:
Store at room temperature in a dry and well ventilated area.
Protect from frost.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.
When vapours form: Withdraw by suction.

Personal protection equipment

Occupational exposure controls

Respiratory protection: If vapours form, use respiratory protection.
Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Protective gloves according to EN 374.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Avoid contact with skin and eyes.
Change contaminated clothing.
Wash hands before breaks and after work.
When using do not eat, drink or smoke.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	Form: liquid
Colour:	blue
Odour:	fresh, flowery
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available



Flash point/flash point range:	> 100 °C
Decomposition temperature:	No data available
pH:	at 1%: 7.5 at 20 °C, 100%: 9.0
Viscosity, kinematic:	No data available
Water solubility:	soluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	at 20 °C: 1.03 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to 10.3

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Protect from frost.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

In case of fire may be liberated: Organic crack products, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Thermal decomposition:	No data available
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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

11.2 Information on other hazards

Endocrine disrupting properties: No data available

Symptoms

After contact with skin:
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
After eye contact: Mild irritant.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Product may damage waterbodies by increasing oxygen demand.

12.2 Persistence and degradability

Further details: Surface active components are at least 90% biodegradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

AOX reference: Product does not contain organically bound halogen (AOX).
General information: Do not allow to penetrate into soil, waterbodies or drains.



SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 07 06 99 = Residues of detergents.

MFSU = manufacture, formulation, supply and use

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.

Package

Recommendation: Dispose of waste according to applicable legislation.

Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: not applicable

14.2 UN proper shipping name

ADR/RID: Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: not applicable

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: unknown

14.6 Special precautions for user

Sea transport (IMDG)

Remarks: not applicable

Air transport (IATA)

Remarks: not applicable

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - EC member states

Further regulations, limitations and legal requirements:

No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

**SECTION 16: Other information**Reason of change: **General revision**Date of first version: **3/12/2001**Department issuing data sheet: **see section 1: Department responsible for information**

Abbreviations and acronyms: ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
AOX: Adsorbable Organic Halogens
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EQ: Excepted quantities
EU: European Union
IATA: International Air Transport Association
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
IMDG Code: International Maritime Dangerous Goods Code
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
MFSU: Manufacture, formulation, supply and use
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and 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
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.