

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifiers

Product name: Ammonium sulfate 3 M
Product number: CT-68500

Brand: PAN-Celltech

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

Identified uses: Laboratory chemicals, Manufacture of substances

1.3. Details of the supplier of the safety data sheet

Company PAN-Celltech GmbH
Am Gewerbepark 6
94501 Aidenbach
GERMANY

Telephone: +49-(0)8543-6016-30
Fax: +49-(0)8543-6016-49
E-mail: info@pan-celltech.de

1.4. Emergency telephone number

Emergency phone: +49-(0)8543-6016-30 or +49 151 51557123

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Hazard class	category	Hazard statements
Hazardous to the aquatic environment	Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2. Label Elements

Hazard Statements

H 412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Synonyms:

Not applicable, product is a mixture.

3.2. Mixtures

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

4.1. Description of first aid measures

4.1.1. General notes

4.1.2. If inhaled

If breathed in, move person into fresh air. If breathing becomes difficult, call a physician. If not breathing, give artificial respiration.

4.1.3. In case of skin contact

In case of contact, immediately wash skin with soap and copious amounts of water.

4.1.4. In case of eye contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician if symptoms persist.

4.1.5. If swallowed

If swallowed, wash out mouth with water provided person is conscious. Call a physician if symptoms persist.

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

No information available.

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

No information available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

5.1.1. Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.1.2. Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Avoid breathing vapors, mist or gas.
- 6.2. Environmental precautions**
Do not let product enter drains
- 6.3. Methods and materials for containment and cleaning up**
Keep in suitable, closed containers for disposal.
- 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 disposal information

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling**
Normal measures for preventive fire protection.
Informations on protection measures are listed in section 2.2.
- 7.2. Conditions for safe storage, including any incompatibilities**
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Recommended storage temperature: +15 °C - +25 °C
- 7.3. Specific end use(s)**
No further information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control parameters**
Components with workplace control parameters: not required.
- 8.2. Exposure controls**
Appropriate engineering controls
General industrial hygiene practice.
Personal protective equipment
Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body Protection
Use impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Form:	liquid
Odour	no data available
Odour Threshold	no data available
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2. Other information

No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under recommended storage conditions

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

- Strong oxidizing agents
- 10.6. Hazardous decomposition products**
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity	no data available
Skin corrosion/irritation	May cause skin irritation.
Serious eye damage/eye irritation	May cause eye irritation.
Inhalation:	Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion:	May be harmful if swallowed.
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	
IARC:	
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.	
Reproductive toxicity	no data available
Specific target organ toxicity - single exposure	no data available
Specific target organ toxicity - repeated exposure	no data available
Aspiration hazard	no data available

11.2. Information on other hazards

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1. **Waste treatment methods**

Product/unused product

Recommendation:

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Recommendation:

Dispose of as unused product.

Classification according to Directive 2008/98/EG (Abfallrahmenrichtlinie):

HP 14 ecotoxic

14. TRANSPORT INFORMATION

14.1. **UN number or ID number**

ADR/RID: -

IMDG: -

IATA: -

14.2. **UN Proper shipping name**

ADR/RID: Not dangerous
Goods

IMDG: Not dangerous
goods

IATA: Not dangerous
goods

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

ADR/RID: -

IMDG: -

IATA: -

14.4. **Packing group**

ADR/RID: -

IMDG: -

IATA: -

14.5. **Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6. **Special precautions for user**

No data available

14.7. **Maritime transport in bulk according to IMO instruments**

No data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

Water hazard class WGK 1: Slightly hazardous to water

Classification according to Annex 1 of the Ordinance on Facilities for Handling Substances

Hazardous to Water (AwSV) self-classification.

15.2. **Chemical safety assessment**

No data available

16. OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PAN-Celltech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See www.pan-biotech.com or reverse side of invoice or packing slip for additional terms and conditions of sale.