


1: Identification of substance / Mixture	
1. Product Identifier	Mixture
Product Name	AA Calibration Standard Physiological
Product Code	5.403.151
CAS Number	
Other Names	
IUPAC	
MFCD Number	
EC/EINECS	
REACH Number	
2. Relevant Identified uses of the substance or mixture and uses advised against	
Laboratory chemicals, Manufacture of substances	
3. Details of the supplier of the safety data sheet	
Laborservice Onken GmbH	
Hauptstr. 50A 63584 Gründau	
Germany	Telephone: +49 (0)6058 1445 Fax: +49 (0)6058 1465 Email: info@laborservice-onken.de
4. Emergency telephone number	
+49 (0)6058 1445	
2. Hazards Identification	
1. Classification of the substance or mixture	
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC	
2. Label elements	
The product does not need to be labelled in accordance with EC directives or respective national laws.	
3. Other Hazards	
none	
3. Composition / Information of Ingredients	
1. Substances	
No Resource File	
2. Mixtures	
No components need to be disclosed according to the applicable regulations.	
4. First Aid Measures	
1. Description of first aid measures	
<i>Skin Contact</i>	Wash with soap and plenty of water
<i>Eye Contact</i>	Flush eyes with water as a precaution.
<i>Ingestion</i>	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<i>Inhalation</i>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
2. Most important symptoms and effects	
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.	
3. Indication of any immediate medical attention	
no data available	

5. Firefighting measures

1. Extinguishing Media

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

2. Special Hazards arising from the substance or mixture

Nature of decomposition products not known.

3. Advice for Fire Fighters

Wear self contained breathing apparatus for fire fighting if necessary.

4. Further information

no data available

6. Accidental Release Measures

1. Personal Precautions

Avoid breathing vapours, mist or gas.

For personal protection see section 8.

2. Environmental Precautions

Do not let product enter drains.

3. Methods & Materials

Keep in suitable, closed containers for disposal.

4. Reference to other sections

For disposal see section 13

7. Handling and Storage

1. Personal Precautions

For precaution see section 2.2.

2. Conditions for safe storage, including any incompatibilities

Store in cool place. 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: 2-8 °C

3. Specific End Uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

1. Control Parameters

Components with workplace control parameters

2. Exposure Controls

Body protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Appropriate engineering controls General industrial hygiene practice.

Eye / Face Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

Respiratory protection

Respiratory protection not required.

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 derives from it.

Control of environmental exposure Do not let product enter drains.

9. Physical and Chemical Properties

1. 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(solid,gas)	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
Solubility(ies):	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
Oxidising properties	No Data Available

2. Other Information

No additional information available

10. Stability and Reactivity

1. Reactivity

No Data Available

2. Stability

Stable under recommended storage conditions

3. Possibility of Hazardous Reactions

No hazardous reactions known.

4. Conditions to Avoid

No Data Available

5. Incompatible Materials

Strong oxidizing agents.

6. Hazardous Decomposition Products

Other decomposition products- No Data Available

In the event of fire: see section 5

11. Toxicology information

1. Information

<i>Acute Toxicity</i>	No Data Available
<i>Skin corrosion/irritation</i>	No Data Available
<i>Serious eye Damage/irritation</i>	No Data Available
<i>Respiratory or skin sensitisation</i>	No Data Available
<i>Germ Cell mutagenicity</i>	No Data Available
<i>Carcinogenicity</i>	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.
<i>Reproductive toxicity</i>	No Data Available
<i>STOT-single exposure</i>	No Data Available

<i>STOT-repeated exposure</i>	No Data Available
<i>Aspiration hazard</i>	No Data Available

2. Additional

RTECS: Not available

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

12. Ecological Information

1. Toxicity

No Data Available

2. Persistence and degradability

No Data Available

3. Bio-Accumulative Potential

No Data Available

4. Mobility and Soil

No Data Available

5. Results of PBT & vPvB assessment

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

6. Other adverse effects

No Data Available

13. Disposal Considerations

1. Waste Treatment Methods

<i>Product</i>	Offer surplus and non-recyclable solutions to a licensed disposal company.
<i>Contaminated packaging</i>	Dispose of as unused product.

14. Transport Information

Air (ICAO)

1.	UN Number:	
2.	Shipping Name:	Not dangerous goods
3.	Transport hazard class(es):	Sub Class :
4.	Packing group:	
5.	Environmental hazards:	
6.	Special Precautions for user:	
7.	Transport in bulk:	

Road (ADR)

1.	UN Number:	
2.	Shipping Name:	Not dangerous goods
3.	Transport hazard class(es):	Sub Class :
4.	Packing group:	

- 5. **Environmental hazards:**
- 6. **Special Precautions for user:**
- 7. **Transport in bulk:**

Sea (IMDG)

- 1. **UN Number:**
- 2. **Shipping Name:** Not dangerous goods
- 3. **Transport hazard class(es):** Sub Class :
- 4. **Packing group:**
- 5. **Environmental hazards:**
- 6. **Special Precautions for user:**
- 7. **Transport in bulk:**

15. Safety, health, environmental and national regulations

- 1. **Safety, health, environmental and national regulations:**
no data available

- 2. **Safety Assessment**
No Chemical Safety Assessment

16. Other Information

- 1. **Other Information:**
This safety data sheet complies to the requirements of Regulation (EC) No. 1907/2006
GHS: Globally Harmonized System of Classification and Labelling of Chemicals

- 2. **Associated risk phrases according to european directive 67/548/EEC**

no data available

3. Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.