

Material Safety Data Sheet

according to Regulation (EC). No. 1907/2006

Version 02

Revision 18.10.2012

Printing date 18.10.2012

Useable for:

BA E-7100	Adrenaline Urine ELISA <small>Fast Track</small>
BA E-7200	Noradrenaline Urine ELISA <small>Fast Track</small>
BA E-7300	Dopamine Urine ELISA <small>Fast Track</small>
BA E-7500	2-CAT Urine ELISA <small>Fast Track</small>
BA E-7600	3-CAT Urine ELISA <small>Fast Track</small>
BA E-8400	Metanephrine Urine ELISA <small>Fast Track</small>
BA E-8500	Normetanephrine Urine ELISA <small>Fast Track</small>
BA E-8600	2-MET Urine ELISA <small>Fast Track</small>

Single components with dangerous ingredients:

REF: **BA R-0012** **Acylation Concentrate** **ACYL-CONC**

Not listed single components contains no hazardous substances in concentrations to be declared, a labelling is not required.

Material Safety Data Sheet

according to Regulation (EC). No. 1907/2006

Version 02

Revision 18.10.2012

Printing date 18.10.2012

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

· Product identifier

· **Trade name:** Acylation Concentrate ACYL-CONC

· **Article number:** BA R-0012

· **Application of the substance / the preparation:** laboratory reagent / Immunoassay
The product is intended for professional use.

· Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

Labor Diagnostika Nord GmbH & Co. KG

Am Eichenhain 1

48531 Nordhorn, Germany

Phone +49 5921 8197 100

Fax +49 5921 8197 106

E-mail support@ldn.de

· Classification of the substance or mixture

GHS05



H314 Causes severe skin burns and eye damage.

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

C; Corrosive



R34: Causes burns.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· Label elements

· GHS label elements

The product is classified and labelled according to the Globally Harmonized System (GHS).

· Hazard pictograms GHS05

· Signal word Danger

· Hazard statements Causes severe skin burns and eye damage.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician. Store locked up.

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

· Other hazards

· Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

Trade name: Acylation Concentrate

Material Safety Data Sheet

according to Regulation (EC). No. 1907/2006

Version 02

Revision 18.10.2012

Printing date 18.10.2012

3 Composition/information on ingredients

- **Chemical characterization: Mixtures** Preparation
- **Description:** Trade secret (Reagent mixture)
 - H314 Causes severe skin burns and eye damage.
 - R34 Causes burns.

4 First aid measures

- **Description of first aid measures**
- **After inhalation** Call in physician.
- **After skin contact** Wash off with plenty of water. Swab with polyethylene glycol 400. Immediately remove contaminated clothing. Call a physician immediately
- **After eye contact** Rinse out with plenty of water. Immediately call in ophthalmologist.
- **After swallowing** Make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.
- **Most important symptoms and effects, both acute and delayed** Irritation and corrosion, irritant effects, Cough, Shortness of breath
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
powder, Carbon dioxide (CO₂), Dry powder
- **Special hazards arising from the substance or mixture** Combustible material
Forms explosive mixtures with air at ambient temperatures.
- **Unsuitable extinguishing media** Water, Foam
- **Advice for firefighters**
- **Protective equipment:** Stay in danger area only with self-contained breathing apparatus.
Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Advice for non-emergency personnel: Avoid substance contact. Do not breathe vapours, aerosols. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
Advice for emergency responders: Protective equipment see section 8
- **Environmental precautions:** Do not empty into drains.
- **Methods and material for containment and cleaning up:** Cover drains. Collect, bind, and pump off spills.
Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.
- **Reference to other sections**
Indications about waste treatment see section 13.
Observe possible material restrictions (see sections 7 and 10).

Trade name: Acylation Concentrate

Material Safety Data Sheet

according to Regulation (EC). No. 1907/2006

Version 02

Revision 18.10.2012

Printing date 18.10.2012

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Observe label precautions.
- **Conditions for safe storage, including any incompatibilities** Tightly closed.
- **Storage** Store at +15°C to +25°C.
- **Specific end use(s)** Apart from the uses mentioned in section 1 no other specific uses are stipulated.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit 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.

- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **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.

The quality of the protective gloves must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

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

- **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 goggles.



- **Body protection:** lab coat

Trade name: Acylation Concentrate

Material Safety Data Sheet

according to Regulation (EC). No. 1907/2006

Version 02

Revision 18.10.2012

Printing date 18.10.2012

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:**

liquid

· **Colour:**

colorless

· **Odour:**

malodorous

· **Odour threshold:**

Not determined

· **pH-value at 20°C:**

Not determined

· **Change in condition**

· **Melting point/Melting range:**

-40 °C

· **Boiling point/Boiling range:**

132 °C at 13 hPa

· **Flash point:**

130 °C

· **Flammability (solid, gaseous)**

Not applicable

· **Ignition temperature:**

· **Decomposition temperature:**

Not determined

· **Self-igniting:**

Product is not self-igniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Explosion limits (lower, upper):**

Not determined

· **Vapour pressure:**

Not applicable

· **Density at 20°C:**

Not determined

· **Relative density**

0.93 g/cm³ at 20 °C

· **Vapour density**

Not determined

· **Evaporation rate**

Not determined

· **Solubility in / Miscibility with Water:**

at 20 °C decomposes

· **Segregation coefficient (n-octanol/water):**

log Pow: 3.35

· **Viscosity:**

Not determined

· **dynamic:**

Not determined

· **kinematic:**

Not determined

· **Solvent content:**

· **Organic solvents:**

Not applicable

· **Water:**

Not applicable

· **Other information**

Lenition temperature 260 °C

10 Stability and reactivity

· **Reactivity** Forms explosive mixtures with air on intense heating.

· **Chemical stability** The product is chemically stable under standard ambient conditions (room temperature) .

· **Possibility of hazardous reactions** Water, alkalines, Alcohols

· **Conditions to avoid** Strong heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No information available

Trade name: Acylation Concentrate

Material Safety Data Sheet

according to Regulation (EC). No. 1907/2006

Version 02

Revision 18.10.2012

Printing date 18.10.2012

11 Toxicological information

Information on toxicological effects

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Causes severe skin burns. Causes burns.
- **on the eye:** Causes eye burns. Risk of serious damage to eyes. Risk of blindness!
- **Specific target organ toxicity - single exposure:** The substance or mixture is not classified as specific target organ toxicant, single exposure.
- **Specific target organ toxicity - repeated exposure:** The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- **Aspiration hazard:** No aspiration toxicity classification
- **Further information:**
Quantitative data on the toxicity of this product are not available. Further data:
Other dangerous properties can not be excluded.
Handle in accordance with good industrial hygiene and safety practice.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** Partition coefficient: n-octanol/water log Pow: 3,35
Method: (calculated)
A remarkable bioaccumulation potential is expected (log Po/w >3).
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Dispose as according to national and regional laws as dangerous good.
- **Uncleaned packaging:**
- **Recommendation:**
Dispose of packaging according to applicable local, state, and federal regulations.

Trade name: Acylation Concentrate

Material Safety Data Sheet

according to Regulation (EC). No. 1907/2006

Version 02

Revision 18.10.2012

Printing date 18.10.2012

14 Transport information

- **ADR/RID** UN 3265
- **IATA** UN 3265
- **IMDG** UN 3265
- **EmS** F-A S-B
- The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **EU regulations**
 - Major Accident Hazard 96/82/EC
 - Legislation Directive 96/82/EC does not apply
- **Hazard pictograms** GHS05
- **Signal word** Danger
- **Hazard statements**
 - Causes severe skin burns and eye damage.
 - Causes burns.
- **Occupational restrictions**
 - Take note of Dir 94/33/EC on the protection of young people at work.
- **National legislation**
- **Storage class VCI:** 8 A Combustible substances, corrosive
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

- **Relevant phrases**
 - H314 Causes severe skin burns and eye damage.
 - R34 Causes burns.
- **Department issuing MSDS:** Safety Representative
- **Contact:** LDN

Trade name: Acylation Concentrate