# BioAnalyt GmbH

14513 Teltow

Date printed 15.04.2016, Revision 15.04.2016

| SEC  | SECTION 1: Identification of the substance/mixture and of the company/undertaking |  |  |  |
|--|---|--|--|--|
| 1.1  | 1 Product identifier  |  |  |  |
|  |   | iCheck Iron Test Sample  |  |  |
| 1.2  | Relevant identified uses of the su  | bstance or mixture and uses advised against  |  |  |
| 121  | Relevant uses   |  |  |  |
| 1.2.1  |   | Analytics  |  |  |
| 4 2 2  | Lloss advised against   |  |  |  |
| 1.2.2  | Uses advised against  | None known.  |  |  |
|  |   |  |  |  |
| 1.3 Details of the supplier of the safety data sheet |   | -  |  |  |
|  | Company   | BioAnalyt GmbH<br>Rheinstr. 17<br>14513 Teltow / GERMANY<br>Phone +49 (0)3328-35150-00<br>Fax +49 (0)3328-35150-29<br>Homepage www.bioanalyt.com<br>E-mail contact@bioanalyt.com |  |  |
|  | Address enquiries to  |  |  |  |
|  | Technical information   | contact@bioanalyt.com  |  |  |
|  | Safety Data Sheet   | sdb@chemiebuero.de   |  |  |
| 1.4  | Emergency telephone number  |  |  |  |
|  | Company   | +49 (0)3328-35150-00 Mo-Fr 8:00 - 17:00  |  |  |
| SEC  | TION 2: Hazards identification  |  |  |  |
| 2.1  | Classification of the substance of  | r mixture  |  |  |
|  |   | No classification.   |  |  |
| 2.2  | Label elements  |  |  |  |
|  |   | The product does not require a hazard warning label in accordance with GHS/CLP-directives.   |  |  |
|  | Hazard pictograms   | none   |  |  |
|  | Signal word   | none   |  |  |
|  | Hazard statements   | none   |  |  |
|  | Precautionary statements  | none   |  |  |
| 2.3  | Other hazards   |  |  |  |
|  | Other hazards   | none   |  |  |
| SEC  | TION 3: Composition / Information   | on ingredients   |  |  |
|  | Product-type:   |  |  |  |
|  | The product is a mixture.   |  |  |  |
|  |   |  |  |  |
|  | Comment on component parts  | No dangerous components.<br>Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  |  |  |

## BioAnalyt GmbH 14513 Teltow

Date printed 15.04.2016, Revision 15.04.2016

www.chemiebuero.de, Phone +49 (0)941-646 353-0, info@chemiebuero.de, 151027

|            | TION 4: First aid measures                   |  |
|------------|--|--|
| 4.1        | Description of first aid measures            | i  |
|            | General information                          | Take off contaminated clothing and wash before reuse.  |
|            | Inhalation                                   | Ensure supply of fresh air.<br>In the event of symptoms seek medical treatment.  |
|            | Skin contact                                 | When in contact with the skin, clean with soap and water.<br>Consult a doctor if skin irritation persists.   |
|            | Eye contact                                  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
|            | Ingestion                                    | Do not induce vomiting.<br>Rinse out mouth and give plenty of water to drink.<br>Seek medical advice.  |
| 1.2        | Most important symptoms and e                | ffects, both acute and delayed   |
|            |  | No information available.  |
| 4.3        | Indication of any immediate med              | ical attention and special treatment needed  |
|            |  | Treat symptomatically.   |
| SEC        | TION 5: Fire-fighting measures               |  |
| 5.1        | Extinguishing media                          |  |
|            | Suitable extinguishing media                 | Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.  |
|            | Extinguishing media that must not<br>be used | Full water jet.  |
| 5.2        | Special hazards arising from the             | substance or mixture   |
|            |  | Risk of formation of toxic pyrolysis products.   |
| 5.3        | Advice for firefighters                      |  |
|            |  | Use self-contained breathing apparatus.  |
|            |  | Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.  |
| SEC        | TION 6: Accidental release measu             | ires   |
| 6.1        | Personal precautions, protective             | equipment and emergency procedures   |
|            |  | Wear suitable protective equipment. For personal protection see SECTION 8.   |
| 6.2        | Environmental precautions                    |  |
|            |  | Prevent spread over a wide area (e.g. by containment or oil barriers).   |
|            | Methods and material for contain             | ament and cleaning up  |
| S 3        | methous and material for contain             | Take up with absorbent material (e.g. acid binder).  |
| 5.3        |  |  |
| 5.3        |  | Dispose of absorbed material in accordance within the regulations.   |
| 6.3<br>6.4 | Reference to other sections                  | Dispose of absorbed material in accordance within the regulations.   |

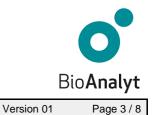


Version 01 Page

Page 2 / 8

## **BioAnalyt GmbH** 14513 Teltow

Date printed 15.04.2016, Revision 15.04.2016



| <b>'</b> .1 | Precautions for safe handling                                      |  |
|-------------|--|--|
|             |  | Use only in well-ventilated areas.   |
|             |  | Avoid spilling or spraying in enclosed areas.  |
|             |  | Do not eat, drink or smoke when using this product.<br>Take off contaminated clothing and wash before reuse.<br>Wash hands before breaks and after work.<br>Use barrier skin cream.  |
| .2          | Conditions for safe storage, inclu                                 | uding any incompatibilities  |
|             |  | Prevent penetration into the ground.<br>Provide acid-resistant floor.<br>Keep only in original container.  |
|             |  | Do not store together with oxidizing agents.<br>Do not store with alkalies.  |
|             |  | Keep container in a well-ventilated place.<br>Keep container tightly closed.   |
| <b>7.3</b>  | Specific end use(s)  |  |
|             |  | See product use, SECTION 1.2   |
| SEC         | CTION 8: Exposure controls / perso                                 | nal protection   |
| 3.1         | Control parameters   |  |
|             | Ingredients with occupational exposure limits to be monitored (GB) |  |
|             |  | not applicable   |
| 3.2         | Exposure controls  |  |
|             | Additional advice on system design                                 | Ensure adequate ventilation on workstation.<br>Measurement methods for taking workplace measurements must meet the performance<br>requirements of DIN EN 482. For example, recommendations are given in the IFA's list of<br>hazardous substances. |
|             | Eye protection   | If there is a risk of splashing:<br>safety glasses (EN 166:2001)   |
|             | Hand protection  | The details concerned are recommendations. Please contact the glove supplier for further information. > 0,11 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3).  |
|             | Skin protection  | Protective clothing.   |
|             | Other  | Do not breathe vapour/spray.<br>Avoid contact with eyes and skin.  |
|             | Respiratory protection   | Not required under normal conditions.  |
|             | Thermal hazards  | not applicable   |
|             | mermai nazai us  |  |

## Safety Data Sheet 1907/2006/EC - REACH (GB) iCheck Iron Test Sample

## **BioAnalyt GmbH** 14513 Teltow

Date printed 15.04.2016, Revision 15.04.2016



Page 4 / 8

### SECTION 9: Physical and chemical properties

| 9.1 | Information on basic physical and chemical properties |                           |  |
|-----|---|---------------------------|--|
|     | Form  | liquid                    |  |
|     | Color   | colourless                |  |
|     | Odor  | No information available. |  |
|     | Odour threshold                                       | No information available. |  |
|     | pH-value  | acidic                    |  |
|     | pH-value [1%]   | No information available. |  |
|     | Boiling point [°C]                                    | No information available. |  |
|     | Flash point [°C]                                      | not applicable            |  |
|     | Flammability (solid, gas) [°C]                        | not applicable            |  |
|     | Lower explosion limit                                 | not applicable            |  |
|     | Upper explosion limit                                 | not applicable            |  |
|     | Oxidising properties                                  | none                      |  |
|     | Vapour pressure/gas pressure [kPa]                    | No information available. |  |
|     | Density [g/ml]  | No information available. |  |
|     | Bulk density [kg/m³]                                  | not applicable            |  |
|     | Solubility in water                                   | soluble                   |  |
|     | Partition coefficient [n-octanol/water]               | No information available. |  |
|     | Viscosity   | No information available. |  |
|     | Relative vapour density determined<br>in air          | No information available. |  |
|     | Evaporation speed                                     | No information available. |  |
|     | Melting point [°C]                                    | No information available. |  |
|     | Autoignition temperature [°C]                         | not self-igniting         |  |
|     | Decomposition temperature [°C]                        | No information available. |  |
| 9.2 | Other information                                     |                           |  |
|     |   | No information available. |  |

## SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reactions known if used as directed.

#### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

#### 10.3 Possibility of hazardous reactions

Reactions with alkalies (lyes). Reactions with oxidizing agents.

#### 10.4 Conditions to avoid

No information available.

#### 10.5 Incompatible materials

See SECTION 10.3.

#### 10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.

## **BioAnalyt GmbH** 14513 Teltow

Date printed 15.04.2016, Revision 15.04.2016



Page 5 / 8

#### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

Acute toxicity

| Serious eye damage/irritation                      | Toxicological data of complete product are not available.<br>Based on the available information, the classification criteria are not fulfilled. |
|--|---|
| Skin corrosion/irritation                          | Toxicological data of complete product are not available.<br>Based on the available information, the classification criteria are not fulfilled. |
| Respiratory or skin sensitisation                  | Toxicological data of complete product are not available.<br>Based on the available information, the classification criteria are not fulfilled. |
| Specific target organ toxicity — single exposure   | Toxicological data of complete product are not available.<br>Based on the available information, the classification criteria are not fulfilled. |
| Specific target organ toxicity — repeated exposure | Toxicological data of complete product are not available.<br>Based on the available information, the classification criteria are not fulfilled. |
| Mutagenicity                                       | Toxicological data of complete product are not available.<br>Based on the available information, the classification criteria are not fulfilled. |
| Reproduction toxicity                              | Toxicological data of complete product are not available.<br>Based on the available information, the classification criteria are not fulfilled. |
| Carcinogenicity                                    | Toxicological data of complete product are not available.<br>Based on the available information, the classification criteria are not fulfilled. |
| Aspiration hazard                                  | Based on the available information, the classification criteria are not fulfilled.  |
| General remarks                                    |   |
|  | none  |

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### 12.2 Persistence and degradability

| Behaviour in environment<br>compartments | No information available. |
|--|---------------------------|
| Behaviour in sewage plant                | No information available. |
| Biological degradability                 | No information available. |

#### 12.3 Bioaccumulative potential

No information available.

#### 12.4 Mobility in soil

No information available.

#### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

#### 12.6 Other adverse effects

Ecological data of complete product are not available. Do not discharge product unmonitored into the environment or into the drainage.

## Safety Data Sheet 1907/2006/EC - REACH (GB) iCheck Iron Test Sample

## **BioAnalyt GmbH** 14513 Teltow

Date printed 15.04.2016, Revision 15.04.2016

Page 6 / 8

#### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

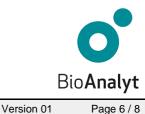
Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

|                         | Coordinate disposal with the authorities if necessary.                 |
|-------------------------|--|
| Waste no. (recommended) | 160509   |
| Contaminated packaging  |  |
|                         | Uncontaminated packaging may be taken for recycling.                   |
|                         | Packaging that cannot be cleaned should be disposed of as for product. |
| Waste no. (recommended) | 150102   |
|                         | 150107   |

#### SECTION 14: Transport information

| 14.1 | UN number                                 |                                     |
|------|---|-------------------------------------|
|      | Transport by land according to<br>ADR/RID | not applicable                      |
|      | Inland navigation (ADN)                   | not applicable                      |
|      | Marine transport in accordance with IMDG  | not applicable                      |
|      | Air transport in accordance with IATA     | not applicable                      |
| 14.2 | UN proper shipping name                   |                                     |
|      | Transport by land according to<br>ADR/RID | NO DANGEROUS GOODS                  |
|      | Inland navigation (ADN)                   | NO DANGEROUS GOODS                  |
|      | Marine transport in accordance with IMDG  | NOT CLASSIFIED AS "DANGEROUS GOODS" |
|      | Air transport in accordance with IATA     | NOT CLASSIFIED AS "DANGEROUS GOODS" |
| 14.3 | Transport hazard class(es)                |                                     |
|      | Transport by land according to<br>ADR/RID | not applicable                      |
|      | Inland navigation (ADN)                   | not applicable                      |
|      | Marine transport in accordance with IMDG  | not applicable                      |
|      | Air transport in accordance with IATA     | not applicable                      |



Date printed 15.04.2016, Revision 15.04.2016

## BioAnalyt GmbH 14513 Teltow

|            | 0                 |  |
|------------|-------------------|--|
|            | Bio <b>Analyt</b> |  |
| Version 01 | Page 7 / 8        |  |

14.4 Packing group Transport by land according to not applicable ADR/RID Inland navigation (ADN) not applicable Marine transport in accordance with not applicable IMDG Air transport in accordance with IATA not applicable 14.5 Environmental hazards Transport by land according to no ADR/RID Inland navigation (ADN) no Marine transport in accordance with no IMDG Air transport in accordance with IATA no 14.6 Special precautions for user Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

## SECTION 15: Regulatory information

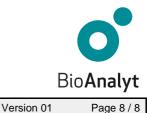
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture |  |  |
|------|--|--|--|
|      | EEC-REGULATIONS  | 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830 |  |
|      | TRANSPORT-REGULATIONS  | DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2016).  |  |
|      | NATIONAL REGULATIONS (GB):   | EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4                                      |  |
|      | - Observe employment restrictions<br>for people  | Observe employment restrictions for young people.  |  |
|      | - VOC (1999/13/CE)   | 0 %  |  |
| 15.2 | Chemical safety assessment   |  |  |

For this product a chemical safety assessment has not been carried out.

# **BioAnalyt GmbH**

14513 Teltow

Date printed 15.04.2016, Revision 15.04.2016



Page 8 / 8

### **SECTION 16: Other information**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route RID = Règlement concernant le transport international ferroviaire de marchandises

dangereuses ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure CAS = Chemical Abstracts Service CLP = Classification, Labelling and Packaging DMEL = Derived Minimum Effect Level DNEL = Derived No Effect Level EC50 = Median effective concentration ECB = European Chemicals Bureau EEC = European Economic Community EINECS = European Inventory of Existing Commercial Chemical Substances ELINCS = European List of Notified Chemical Substances GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk IC50 = Inhibition concentration, 50% IMDG = International Maritime Code for Dangerous Goods IUCLID = International Uniform ChemicaL Information Database LC50 = Lethal concentration, 50%

LD50 = Median lethal dose

MARPOL = International Convention for the Prevention of Marine Pollution from Ships PBT = Persistent, Bioaccumulative and Toxic substance

PNEC = Predicted No-Effect Concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

TLV®/TWA = Threshold limit value - time-weighted average

TLV®STEL = Threshold limit value - short-time exposure limit

VOC = Volatile Organic Compounds vPvB = very Persistent and very Bioaccumulative

#### 16.2 Other information

**Classification procedure** 

Modified position

Copyright: Chemiebüro®

none

